



Virginia Polytechnic Institute and State University

Mean Comparisons

August 2011

Interpreting the Mean Comparisons Report

Sample

The *Mean Comparisons* report is based on information from all randomly selected or census-administered students for both your institution and your comparison institutions. Targeted and locally administered oversamples and other non-randomly selected students are not

Variables

The items from the NSSE survey appear in the left column in the same order and wording as they appear on the instrument. The name of each variable appears in the second column for easy reference to your data file and the summary statistics at the end of this section. Response options are also provided to help you interpret the statistics.

Benchmark

Items that make up the five “Benchmarks of Effective Educational Practice” are indicated by the following:

LAC=Level of Academic

Challenge

ACL=Active and

Collaborative Learning

SFI=Student-Faculty

Interaction

EEE=Enriching Educational

Experiences

SCE=Supportive Campus

Environment

Mean

The mean is the *weighted* arithmetic average of student responses on a particular item. Means are provided for your institution and all comparison

groups. Additional details

regarding weighting can be found on the NSSE Web site. nsse.iub.edu/links/institutional_reporting

Class

Results are reported separately for first-year students (FY) and seniors (SR). Institution-reported class ranks are used.

Statistical Significance

Items with mean differences that are larger than would be expected by chance alone are noted with one, two, or three asterisks, referring to three significance levels ($p < .05$, $p < .01$, and $p < .001$). The smaller the significance level, the smaller the likelihood that the difference is due to chance. *Statistical significance does not guarantee the result is substantive or important.* Large sample sizes (like those produced by NSSE) tend to generate more statistically significant results even though the magnitude of mean differences may be inconsequential. Consult effect sizes (see below) to judge the practical meaning of the results.

Effect Size

Effect size indicates the “practical significance” of the mean difference. It is calculated by dividing the mean difference by the pooled standard deviation. In practice, an effect size of .2 is often considered small, .5 moderate, and .8 large. A positive sign indicates that your institution's mean was greater, thus showing an affirmative result for your institution. A negative sign indicates the institution lags behind the comparison group, suggesting that the student behavior or

NSSE 2011 Mean Comparisons
NSSEville State University

NSSEville State compared with:

Variable	Benchmark	Class	NSSEville State			Mid East Private			Carnegie Class			NSSE 2011		
			Mean *	Sig *	Effect Size *	Mean *	Sig *	Effect Size *	Mean *	Sig *	Effect Size *	Mean *	Sig *	Effect Size *
<i>In your experience at your institution during the current school year, about how often have you done each of the following? 1=Never, 2=Sometimes, 3=Often, 4=Very often</i>														
1. Academic and Intellectual Experiences														
a. Asked questions in class or contributed to class discussions	CLQUEST	ACL	FY	2.94	2.90	.04	2.85 **	.10	2.85 **	.10				
			SR	3.28	3.19 ***	.12	3.15 ***	.15	3.12 ***	.19				
b. Made a class presentation	CLPRESEN	ACL	FY	2.28	2.43 ***	-.18	2.32	-.05	2.29	-.01				
			SR	2.89	2.91	-.03	2.86	.03	2.79 ***	.11				
c. Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP		FY	2.46	2.71 ***	-.26	2.77 ***	-.31	2.70 ***	-.24				
			SR	2.40	2.48 *	-.08	2.57 ***	-.17	2.51 ***	-.11				
d. Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT		FY	3.06	3.11	-.07	3.12 **	-.08	3.11 *	-.07				
			SR	3.46	3.35 ***	.14	3.36 ***	.13	3.35 ***	.14				
e. Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments	DIVCLASS		FY	2.67	2.82 ***	-.17	2.82 ***	-.17	2.80 ***	-.14				
			SR	2.89	2.88	.01	2.89	.00	2.85	.04				

institutional practice represented by the item may warrant attention. An exception to this interpretation is the “coming to class unprepared” item (item 1f.) where a negative sign is preferred (i.e., meaning fewer students reporting coming to class unprepared).

NSSE 2011 Mean Comparisons Virginia Polytechnic Institute and State University

Virginia Tech compared with:

	Variable	Bench- mark	Class	Virginia Tech			peer institutions			Carnegie Class		NSSE 2011	
				Mean ^a	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c
<i>In your experience at your institution during the current school year, about how often have you done each of the following? 1=Never, 2=Sometimes, 3=Often, 4=Very often</i>													
1. Academic and Intellectual Experiences													
a.	Asked questions in class or contributed to class discussions	CLQUEST	ACL	FY	2.46	2.54 **	-.10	2.61 ***	-.18	2.82 ***	-.42		
				SR	2.74	2.83 **	-.10	2.90 ***	-.17	3.10 ***	-.41		
b.	Made a class presentation	CLPRESEN	ACL	FY	2.09	1.98 ***	.15	2.05	.05	2.26 ***	-.21		
				SR	2.64	2.56 **	.09	2.57 **	.08	2.77 ***	-.15		
c.	Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP		FY	2.42	2.41	.01	2.52 **	-.10	2.69 ***	-.27		
				SR	2.19	2.30 ***	-.12	2.34 ***	-.16	2.49 ***	-.31		
d.	Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT		FY	2.87	2.88	-.01	2.98 ***	-.13	3.10 ***	-.29		
				SR	3.20	3.25 *	-.07	3.24	-.05	3.34 ***	-.19		
e.	Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments	DIVCLASS		FY	2.55	2.61	-.06	2.71 ***	-.18	2.79 ***	-.26		
				SR	2.42	2.61 ***	-.20	2.71 ***	-.30	2.84 ***	-.44		
f.	Come to class without completing readings or assignments	CLUNPREP		FY	2.09	2.09	.00	2.08	.00	1.97 ***	.15		
				SR	2.31	2.28	.04	2.22 ***	.11	2.08 ***	.29		
g.	Worked with other students on projects during class	CLASSGRP	ACL	FY	2.36	2.36	.00	2.36	.00	2.44 **	-.09		
				SR	2.45	2.43	.03	2.44	.01	2.56 ***	-.12		
h.	Worked with classmates outside of class to prepare class assignments	OCCGRP	ACL	FY	2.56	2.56	.01	2.49 **	.09	2.45 ***	.12		
				SR	3.10	2.92 ***	.20	2.83 ***	.29	2.79 ***	.34		
i.	Put together ideas or concepts from different courses when completing assignments or during class discussions	INTIDEAS		FY	2.63	2.61	.02	2.63	.00	2.65	-.02		
				SR	2.98	2.97	.01	2.95	.03	2.97	.01		
j.	Tutored or taught other students (paid or voluntary)	TUTOR	ACL	FY	1.84	1.81	.04	1.77 *	.08	1.69 ***	.18		
				SR	1.89	1.92	-.03	1.89	.00	1.87	.02		
k.	Participated in a community-based project (e.g. service learning) as part of a regular course	COMMPROJ	ACL	FY	1.62	1.53 **	.11	1.54 *	.09	1.58	.04		
				SR	1.66	1.56 ***	.12	1.63	.04	1.73 *	-.07		

^a Weighted by gender and enrollment status (and size for comparisons).

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by pooled SD

**NSSE 2011 Mean Comparisons
Virginia Polytechnic Institute and State University**

				<i>Virginia Tech compared with:</i>									
				Virginia Tech	peer institutions			Carnegie Class		NSSE 2011			
	<i>Variable</i>	<i>Bench- mark</i>	<i>Class</i>	<i>Mean^a</i>	<i>Mean^a</i>	<i>Sig^b</i>	<i>Effect Size^c</i>	<i>Mean^a</i>	<i>Sig^b</i>	<i>Effect Size^c</i>	<i>Mean^a</i>	<i>Sig^b</i>	<i>Effect Size^c</i>
l.	Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment	ITACADEM	EEE	FY	2.77		-.02	2.77		.00	2.67	**	.10
				SR	2.95		.03	2.92		.04	2.90		.05
m.	Used e-mail to communicate with an instructor	EMAIL	SFI	FY	3.10		-.02	3.16	*	-.08	3.21	***	-.15
				SR	3.40		.03	3.41		-.01	3.46		-.08
n.	Discussed grades or assignments with an instructor	FACGRADE	SFI	FY	2.38		-.03	2.49	***	-.13	2.63	***	-.28
				SR	2.70	**	.10	2.68		.02	2.81	***	-.13
o.	Talked about career plans with a faculty member or advisor	FACPLANS	SFI	FY	2.05	**	-.11	2.14	**	-.10	2.18	***	-.14
				SR	2.34		.05	2.30		.04	2.40	*	-.07
p.	Discussed ideas from your readings or classes with faculty members outside of class	FACIDEAS	SFI	FY	1.68	*	-.08	1.78	***	-.12	1.86	***	-.20
				SR	1.94		.02	1.97		-.03	2.08	***	-.14
q.	Received prompt written or oral feedback from faculty on your academic performance	FACFEED	SFI	FY	2.47		-.02	2.56	**	-.10	2.69	***	-.25
				SR	2.59		-.05	2.67	**	-.10	2.80	***	-.26
r.	Worked harder than you thought you could to meet an instructor's standards or expectations	WORKHARD	LAC	FY	2.57		-.03	2.64	*	-.07	2.73	***	-.19
				SR	2.63		.03	2.67		-.05	2.78	***	-.18
s.	Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.)	FACOTHER	SFI	FY	1.49	**	-.09	1.57	**	-.10	1.64	***	-.18
				SR	1.85		.06	1.78	*	.08	1.84		.01
t.	Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)	OOCIDEAS	ACL	FY	2.63	**	-.10	2.73	**	-.11	2.76	***	-.14
				SR	2.78		-.06	2.87	**	-.10	2.90	***	-.14
u.	Had serious conversations with students of a different race or ethnicity than your own	DIVRSTUD	EEE	FY	2.71		.05	2.69		.01	2.61	**	.10
				SR	2.76		.05	2.75		.01	2.69	*	.07
v.	Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values	DIFFSTU2	EEE	FY	2.82	**	.12	2.74	*	.09	2.66	***	.16
				SR	2.86	***	.12	2.78	**	.08	2.71	***	.14

^a Weighted by gender and enrollment status (and size for comparisons).

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by pooled SD

NSSE 2011 Mean Comparisons Virginia Polytechnic Institute and State University

Virginia Tech compared with:

Variable	Bench- mark	Class	Virginia Tech			peer institutions			Carnegie Class		NSSE 2011			
			Mean ^a	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c		
<i>During the current school year, how much has your coursework emphasized the following mental activities? 1=Very little, 2=Some, 3=Quite a bit, 4=Very much</i>														
2. Mental Activities														
a.	Memorizing facts, ideas, or methods from your courses and readings so you can repeat them in pretty much the same form	MEMORIZE	FY	3.04	2.99	.07		3.01	.04	2.95	**	.10		
				SR	2.83	2.82	.01		2.84	-.02	2.80		.03	
b.	Analyzing the basic elements of an idea, experience, or theory, such as examining a particular case or situation in depth and considering its components	ANALYZE	LAC	FY	3.20	3.19	.01		3.19	.01	3.17	.04		
				SR	3.31	3.31	.01		3.30	.02	3.31		.00	
c.	Synthesizing and organizing ideas, information, or experiences into new, more complex interpretations and relationships	SYNTHESZ	LAC	FY	2.94	2.97	-.03		2.95	-.01	2.95	-.01		
				SR	3.05	3.07	-.02		3.07	-.02	3.11	*	-.07	
d.	Making judgments about the value of info., arguments, or methods, such as examining how others gathered and interpreted data and assessing the soundness of their conclusions	EVALUATE	LAC	FY	2.84	2.83	.01		2.88	-.05	2.95	***	-.13	
				SR	2.96	2.94	.02		2.98	-.01	3.05	**	-.10	
e.	Applying theories or concepts to practical problems or in new situations	APPLYING	LAC	FY	3.21	3.16	.05		3.11	**	.11	3.09	***	.14
				SR	3.29	3.22	*	.08	3.21	**	.09	3.25		.05
<i>During the current school year, about how much reading and writing have you done? 1=None, 2=1-4, 3=5-10, 4=11-20, 5=More than 20</i>														
3. Reading and Writing														
a.	Number of assigned textbooks, books, or book-length packs of course readings	READASGN	LAC	FY	3.10	3.23	***	-.14	3.18	*	-.09	3.18	*	-.08
				SR	2.95	3.07	***	-.12	3.08	***	-.13	3.12	***	-.17
b.	Number of books read on your own (not assigned) for personal enjoyment or academic enrichment	READOWN	LAC	FY	1.88	1.94	*	-.07	1.98	**	-.12	2.03	***	-.16
				SR	2.15	2.10	.05		2.14	.00	2.17		-.03	
c.	Number of written papers or reports of 20 pages or more	WRITEMOR	LAC	FY	1.15	1.20	**	-.09	1.21	***	-.12	1.27	***	-.18
				SR	1.67	1.60	**	.09	1.57	***	.14	1.62		.06
d.	Number of written papers or reports between 5 and 19 pages	WRITEMID	LAC	FY	2.12	2.10	.02		2.14	-.03	2.20	***	-.11	
				SR	2.41	2.51	**	-.11	2.46	-.05	2.54	***	-.13	
e.	Number of written papers or reports of fewer than 5 pages	WRITESML	LAC	FY	2.93	2.88	.05		2.89	.04	2.97		-.04	
				SR	2.90	3.00	*	-.09	2.96	-.05	2.99	*	-.07	

^a Weighted by gender and enrollment status (and size for comparisons).

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by pooled SD

NSSE 2011 Mean Comparisons Virginia Polytechnic Institute and State University

Virginia Tech compared with:

	Variable	Bench- mark	Class	Virginia Tech			peer institutions			Carnegie Class			NSSE 2011		
				Mean ^a	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c		
				<i>In a typical week, how many homework problem sets do you complete? 1=None, 2=1-2, 3=3-4, 4=5-6, 5=More than 6</i>											
4. Problem Sets															
a.	Number of problem sets that take you more than an hour to complete	PROBSETA	FY	2.83	2.85		-.02	2.80	.02	2.77	.05				
			SR	2.71	2.63		.06	2.65	.05	2.71	.00				
b.	Number of problem sets that take you less than an hour to complete	PROBSETB	FY	2.70	2.69		.00	2.74	-.04	2.78	-.07				
			SR	2.24	2.16		.07	2.30	-.05	2.40	***	-.13			
5. Examinations															
				<i>1=Very little to 7=Very much</i>											
	Select the circle that best represents the extent to which your examinations during the current school year have challenged you to do your best work.	EXAMS	FY	5.70	5.66		.04	5.56	***	.12	5.49	***	.18		
			SR	5.30	5.41	**	-.09	5.44	***	-.12	5.50	***	-.16		
6. Additional Collegiate Experiences															
				<i>During the current school year, about how often have you done each of the following? 1=Never, 2=Sometimes, 3=Often, 4=Very often</i>											
a.	Attended an art exhibit, play, dance, music, theater or other performance	ATDART07	FY	2.07	2.04		.03	2.09	-.02	2.13	*	-.07			
			SR	1.95	1.97		-.03	2.00	-.06	2.01	*	-.06			
b.	Exercised or participated in physical fitness activities	EXRCSE05	FY	3.15	2.97	***	.19	2.94	***	.22	2.84	***	.30		
			SR	3.07	2.90	***	.17	2.84	***	.24	2.74	***	.33		
c.	Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.)	WORSHP05	FY	1.96	2.01		-.05	1.98	-.02	2.05	*	-.09			
			SR	1.94	1.96		-.02	2.00	-.05	2.11	***	-.15			
d.	Examined the strengths and weaknesses of your own views on a topic or issue	OWNVIEW	FY	2.60	2.56		.05	2.58	.03	2.62	-.01				
			SR	2.69	2.66		.04	2.69	.00	2.72	-.03				
e.	Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	OTHRVIEW	FY	2.78	2.71	*	.08	2.77	.01	2.81	-.03				
			SR	2.84	2.80		.04	2.85	-.02	2.88	-.05				
f.	Learned something that changed the way you understand an issue or concept	CHNGVIEW	FY	2.85	2.83		.03	2.86	.00	2.89	-.04				
			SR	2.89	2.87		.03	2.90	-.01	2.93	-.05				
7. Enriching Educational Experiences															
				<i>Which of the following have you done or do you plan to do before you graduate from your institution? (Recoded: 0=Have not decided, Do not plan to do, Plan to do; 1=Done. Thus, the mean is the proportion responding "Done" among all valid respondents.)</i>											
a.	Practicum, internship, field experience, co-op experience, or clinical assignment	INTERN04	EEE	FY	.06	.07		-.04	.07	-.03	.07	-.04			
			SR	.61	.58	*	.07	.52	***	.19	.50	***	.23		

^aWeighted by gender and enrollment status (and size for comparisons).

^b* p<.05 ** p<.01 *** p<.001 (2-tailed).

^cMean difference divided by pooled SD

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Virginia Tech compared with:

	Variable	Bench- mark	Class	Virginia Tech			peer institutions			Carnegie Class			NSSE 2011		
				Mean ^a	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b
b. Community service or volunteer work	VOLNTR04	EEE	FY	.53	.43	***	.19	.41	***	.24	.39	***	.29		
			SR	.75	.68	***	.15	.64	***	.23	.60	***	.32		
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	LRNCOM04	EEE	FY	.20	.26	***	-.14	.22		-.06	.18		.04		
			SR	.28	.29		-.02	.26		.03	.27		.03		
d. Work on a research project with a faculty member outside of course or program requirements	RESRCH04	SFI	FY	.03	.05	***	-.11	.05	**	-.09	.05	***	-.09		
			SR	.32	.29		.06	.23	***	.20	.20	***	.31		
e. Foreign language coursework	FORLNG04	EEE	FY	.16	.26	***	-.22	.26	***	-.22	.20	**	-.09		
			SR	.35	.49	***	-.29	.48	***	-.28	.40	***	-.11		
f. Study abroad	STDABR04	EEE	FY	.02	.03		-.05	.03		-.05	.03	*	-.07		
			SR	.19	.23	*	-.08	.18		.03	.15	***	.13		
g. Independent study or self-designed major	INDSTD04	EEE	FY	.02	.02		.00	.03		-.03	.04	**	-.08		
			SR	.21	.16	**	.12	.16	***	.14	.17	**	.12		
h. Culminating senior experience (capstone course, senior project or thesis, comprehensive exam, etc.)	SNRX04	EEE	FY	.02	.02		.01	.02		-.02	.02		-.04		
			SR	.48	.34	***	.30	.29	***	.43	.32	***	.34		
<i>Select the circle that best represents the quality of your relationships with people at your institution. 1=Unfriendly, Unsupportive, Sense of alienation to 7=Friendly, Supportive, Sense of belonging</i>															
8. Quality of Relationships	a. Relationships with other students	ENVSTU	SCE	FY	5.95	5.62	***	.26	5.53	***	.32	5.51	***	.32	
				SR	5.91	5.62	***	.23	5.56	***	.26	5.64	***	.21	
<i>1=Unavailable, Unhelpful, Unsympathetic to 7=Available, Helpful, Sympathetic</i>															
b. Relationships with faculty members	ENVFAC	SCE	FY	5.22	5.04	***	.15	5.06	***	.12	5.29		-.06		
			SR	5.36	5.17	***	.14	5.22	**	.10	5.46	*	-.08		
<i>1=Unhelpful, Inconsiderate, Rigid to 7=Helpful, Considerate, Flexible</i>															
c. Relationships with administrative personnel and offices	ENVADM	SCE	FY	4.88	4.73	**	.11	4.68	***	.14	4.85		.02		
			SR	4.82	4.57	***	.16	4.51	***	.19	4.66	**	.09		

^a Weighted by gender and enrollment status (and size for comparisons).

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by pooled SD

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Virginia Tech compared with:

Variable	Bench- mark	Class	Virginia Tech			peer institutions			Carnegie Class		NSSE 2011	
			Mean ^a	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c
<i>About how many hours do you spend in a typical 7-day week doing each of the following? 1=0 hrs/wk, 2=1-5 hrs/wk, 3=6-10 hrs/wk, 4=11-15 hrs/wk, 5=16-20 hrs/wk, 6=21-25 hrs/wk, 7=26-30 hrs/wk, 8=More than 30 hrs/wk</i>												
9. Time Usage												
a.	Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	ACADPR01	LAC	FY	4.75	4.81		-0.04	4.51 ***	.14	4.25 ***	.30
				SR	4.68	4.66		.01	4.46 ***	.12	4.36 ***	.18
b.	Working for pay on campus	WORKON01		FY	1.25	1.43 ***		-0.18	1.44 ***	-0.17	1.47 ***	-0.19
				SR	1.83	2.09 ***		-0.15	1.93	-0.06	1.83	.00
c.	Working for pay off campus	WORKOF01		FY	1.15	1.39 ***		-0.22	1.62 ***	-0.32	2.16 ***	-0.48
				SR	1.79	2.36 ***		-0.28	2.91 ***	-0.45	3.52 ***	-0.62
d.	Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	COCURR01	EEE	FY	2.80	2.55 ***		.16	2.43 ***	.25	2.24 ***	.36
				SR	2.68	2.44 ***		.15	2.27 ***	.26	2.12 ***	.36
e.	Relaxing and socializing (watching TV, partying, etc.)	SOCIAL05		FY	3.96	3.86		.07	3.87	.06	3.73 ***	.14
				SR	3.94	3.74 ***		.13	3.67 ***	.17	3.50 ***	.29
f.	Providing care for dependents living with you (parents, children, spouse, etc.)	CAREDE01		FY	1.13	1.22 ***		-0.12	1.36 ***	-0.22	1.86 ***	-0.40
				SR	1.22	1.49 ***		-0.21	1.88 ***	-0.36	2.44 ***	-0.53
g.	Commuting to class (driving, walking, etc.)	COMMUTE		FY	2.11	2.26 ***		-0.18	2.32 ***	-0.22	2.27 ***	-0.14
				SR	2.16	2.38 ***		-0.26	2.41 ***	-0.27	2.39 ***	-0.22
<i>To what extent does your institution emphasize each of the following? 1=Very little, 2=Some, 3=Quite a bit, 4=Very much</i>												
10. Institutional Environment												
a.	Spending significant amounts of time studying and on academic work	ENVSCHOL	LAC	FY	3.29	3.28		.01	3.21 **	.10	3.19 ***	.13
				SR	3.18	3.21		-0.03	3.15	.04	3.17	.02
b.	Providing the support you need to help you succeed academically	ENVSUPRT	SCE	FY	3.23	3.10 ***		.16	3.09 ***	.18	3.12 ***	.14
				SR	2.95	2.87 **		.10	2.87 **	.10	2.96	-0.01
c.	Encouraging contact among students from different economic, social, and racial or ethnic backgrounds	ENVDIVRS	EEE	FY	2.84	2.79		.05	2.75 **	.10	2.74 **	.11
				SR	2.46	2.48		-0.02	2.50	-0.04	2.56 **	-0.10

^a Weighted by gender and enrollment status (and size for comparisons).

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by pooled SD

**NSSE 2011 Mean Comparisons
Virginia Polytechnic Institute and State University**

Virginia Tech compared with:

	Variable	Bench- mark	Class	Virginia Tech	peer institutions			Carnegie Class			NSSE 2011			
				Mean ^a	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	
d.	Helping you cope with your non-academic responsibilities (work, family, etc.)	ENVNACAD	SCE	FY	2.36	2.24	***	.13	2.23	***	.14	2.29	*	.07
				SR	2.05	1.94	***	.12	1.92	***	.14	2.02		.03
e.	Providing the support you need to thrive socially	ENVSOCAL	SCE	FY	2.70	2.58	***	.13	2.55	***	.16	2.54	***	.16
				SR	2.39	2.30	**	.10	2.26	***	.13	2.27	***	.12
f.	Attending campus events and activities (special speakers, cultural performances, athletic events, etc.)	ENVEVENT		FY	3.09	3.01	*	.09	3.00	**	.10	2.88	***	.22
				SR	2.89	2.81	**	.09	2.77	***	.14	2.65	***	.24
g.	Using computers in academic work	ENVCOMPT		FY	3.54	3.38	***	.22	3.37	***	.23	3.33	***	.27
				SR	3.57	3.51	*	.08	3.47	***	.13	3.45	***	.15

To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

1=Very little, 2=Some, 3=Quite a bit, 4=Very much

11. Educational and Personal Growth

a.	Acquiring a broad general education	GNGENLED		FY	3.22	3.19		.04	3.19		.05	3.18		.05
				SR	3.20	3.23		-.03	3.21		.00	3.24		-.05
b.	Acquiring job or work-related knowledge and skills	GNWORK		FY	3.01	2.85	***	.18	2.81	***	.21	2.83	***	.19
				SR	3.12	3.01	***	.12	2.98	***	.15	3.06	*	.06
c.	Writing clearly and effectively	GNWRITE		FY	2.83	2.86		-.04	2.90	*	-.08	3.03	***	-.24
				SR	2.94	3.04	**	-.12	3.02	**	-.09	3.11	***	-.20
d.	Speaking clearly and effectively	GNSPEAK		FY	2.71	2.64	*	.08	2.71		.00	2.87	***	-.17
				SR	2.92	2.88		.04	2.90		.02	3.01	**	-.10
e.	Thinking critically and analytically	GNANALY		FY	3.31	3.27		.06	3.24	**	.10	3.25	*	.09
				SR	3.43	3.39		.06	3.35	**	.11	3.37	*	.08
f.	Analyzing quantitative problems	GNQUANT		FY	3.18	3.12		.07	3.06	***	.15	3.00	***	.21
				SR	3.29	3.17	***	.14	3.12	***	.20	3.11	***	.21
g.	Using computing and information technology	GNCMPTS		FY	3.26	3.07	***	.22	3.06	***	.23	3.05	***	.24
				SR	3.30	3.22	**	.10	3.19	***	.13	3.20	***	.12
h.	Working effectively with others	GNOTHERS		FY	3.12	3.01	***	.13	2.96	***	.18	3.02	**	.12
				SR	3.26	3.16	**	.12	3.12	***	.16	3.18	**	.10

^a Weighted by gender and enrollment status (and size for comparisons).

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by pooled SD

NSSE 2011 Mean Comparisons Virginia Polytechnic Institute and State University

Virginia Tech compared with:

	Variable	Bench- mark	Class	Virginia Tech			peer institutions			Carnegie Class		NSSE 2011	
				Mean ^a	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c	Mean ^a	Sig ^b	Effect Size ^c
i.	Voting in local, state, or national elections	GNCITIZN	FY	1.72	2.14	***	-.41	2.07	***	-.35	2.00	***	-.28
			SR	1.95	2.18	***	-.23	2.12	***	-.16	2.09	***	-.14
j.	Learning effectively on your own	GNINQ	FY	3.08	3.04		.05	3.02	*	.08	2.98	***	.12
			SR	3.15	3.11		.04	3.07	**	.09	3.07	**	.09
k.	Understanding yourself	GNSSELF	FY	2.83	2.82		.01	2.81		.02	2.84		-.01
			SR	2.87	2.85		.02	2.81		.06	2.85		.02
l.	Understanding people of other racial and ethnic backgrounds	GNDIVERS	FY	2.62	2.67		-.05	2.67		-.06	2.69		-.07
			SR	2.50	2.60	**	-.11	2.63	***	-.14	2.67	***	-.18
m.	Solving complex real-world problems	GNPROBSV	FY	2.80	2.76		.05	2.73	*	.08	2.73	*	.08
			SR	2.98	2.89	**	.09	2.83	***	.16	2.84	***	.15
n.	Developing a personal code of values and ethics	GNETHICS	FY	2.86	2.72	***	.15	2.69	***	.18	2.75	***	.12
			SR	2.72	2.71		.02	2.66		.06	2.76		-.03
o.	Contributing to the welfare of your community	GNCOMMUN	FY	2.88	2.56	***	.33	2.51	***	.39	2.49	***	.39
			SR	2.70	2.52	***	.19	2.47	***	.23	2.51	***	.19
p.	Developing a deepened sense of spirituality	GNSPIRIT	FY	2.06	2.00		.05	2.00		.05	2.14	*	-.08
			SR	1.77	1.79		-.03	1.78		-.01	1.95	***	-.17
12. Academic Advising				<i>1=Poor, 2=Fair, 3=Good, 4=Excellent</i>									
	Overall, how would you evaluate the quality of academic advising you have received at your institution?	ADVISE	FY	3.19	3.09	**	.11	3.07	***	.14	3.10	**	.11
			SR	2.99	2.89	**	.10	2.86	***	.14	2.94		.05
13. Satisfaction				<i>1=Poor, 2=Fair, 3=Good, 4=Excellent</i>									
	How would you evaluate your entire educational experience at this institution?	ENTIREXP	FY	3.47	3.33	***	.20	3.28	***	.27	3.24	***	.32
			SR	3.45	3.31	***	.19	3.24	***	.28	3.23	***	.29
14.				<i>1=Definitely no, 2=Probably no, 3=Probably yes, 4=Definitely yes</i>									
	If you could start over again, would you go to the same institution you are now attending?	SAMECOLL	FY	3.54	3.43	***	.15	3.36	***	.23	3.26	***	.34
			SR	3.52	3.38	***	.18	3.29	***	.28	3.21	***	.36

^a Weighted by gender and enrollment status (and size for comparisons).

^b * p<.05 ** p<.01 *** p<.001 (2-tailed).

^c Mean difference divided by pooled SD

Virginia Polytechnic Institute and State University
First-Year Students

	N	Mean				Standard Error of the Mean ^b				Standard Deviation ^c				Degrees of Freedom ^d			Significance ^e			Effect Size ^f		
	Virginia Tech	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech compared with:			Virginia Tech compared with:		
		Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011
CLQUEST	1,007	2.46	2.54	2.61	2.82	.03	.01	.00	.00	.81	.82	.84	.86	10,488	1,081	1,021	.002	.000	.000	-.10	-.18	-.42
CLPRESENT	1,002	2.09	1.98	2.05	2.26	.02	.01	.00	.00	.73	.73	.77	.82	10,445	31,240	1,018	.000	.156	.000	.15	.05	-.21
REWROPAP	1,004	2.42	2.41	2.52	2.69	.03	.01	.01	.00	.98	.97	.99	.98	10,428	31,152	154,109	.754	.002	.000	.01	-.10	-.27
INTEGRAT	1,007	2.87	2.88	2.98	3.10	.03	.01	.00	.00	.82	.82	.82	.80	10,460	1,075	1,019	.671	.000	.000	-.01	-.13	-.29
DIVCLASS	1,007	2.55	2.61	2.71	2.79	.03	.01	.01	.00	.89	.89	.90	.89	10,453	31,212	154,428	.062	.000	.000	-.06	-.18	-.26
CLUNPREP	1,007	2.09	2.09	2.08	1.97	.02	.01	.00	.00	.79	.80	.80	.78	10,471	31,259	154,595	.890	.902	.000	.00	.00	.15
CLASSGRP	1,006	2.36	2.36	2.36	2.44	.03	.01	.00	.00	.84	.87	.87	.87	10,480	31,278	1,019	.963	.979	.003	.00	.00	-.09
OCCGRP	1,011	2.56	2.56	2.49	2.45	.03	.01	.01	.00	.83	.86	.88	.90	10,506	1,087	1,025	.829	.004	.000	.01	.09	.12
INTIDEAS	876	2.63	2.61	2.63	2.65	.03	.01	.00	.00	.78	.80	.82	.83	9,754	29,326	887	.562	.957	.450	.02	.00	-.02
TUTOR	880	1.84	1.81	1.77	1.69	.03	.01	.01	.00	.85	.87	.87	.86	9,762	937	890	.241	.013	.000	.04	.08	.18
COMMPROJ	872	1.62	1.53	1.54	1.58	.03	.01	.00	.00	.84	.80	.83	.84	1,032	29,179	145,226	.002	.011	.233	.11	.09	.04
ITACADEM	880	2.77	2.79	2.77	2.67	.03	.01	.01	.00	.97	.98	1.00	1.03	9,772	29,396	891	.654	.918	.003	-.02	.00	.10
EMAIL	880	3.10	3.12	3.16	3.21	.03	.01	.00	.00	.81	.81	.81	.80	9,768	29,360	145,978	.499	.026	.000	-.02	-.08	-.15
FACGRADE	875	2.38	2.40	2.49	2.63	.03	.01	.01	.00	.85	.86	.88	.89	9,753	932	886	.448	.000	.000	-.03	-.13	-.28
FACPLANS	879	2.05	2.14	2.14	2.18	.03	.01	.01	.00	.86	.86	.88	.92	1,062	937	891	.003	.002	.000	-.11	-.10	-.14
FACIDEAS	880	1.68	1.74	1.78	1.86	.03	.01	.01	.00	.82	.83	.87	.90	9,780	29,403	146,203	.027	.001	.000	-.08	-.12	-.20
FACFEED	848	2.47	2.49	2.56	2.69	.03	.01	.00	.00	.82	.82	.83	.85	9,560	28,796	143,488	.493	.004	.000	-.02	-.10	-.25
WORKHARD	841	2.57	2.60	2.64	2.73	.03	.01	.01	.00	.85	.85	.86	.85	9,559	28,768	143,258	.401	.032	.000	-.03	-.07	-.19
FACOTHER	843	1.49	1.56	1.57	1.64	.03	.01	.00	.00	.74	.79	.82	.87	1,038	906	856	.007	.001	.000	-.09	-.10	-.18
OOCIDEAS	846	2.63	2.72	2.73	2.76	.03	.01	.01	.00	.87	.85	.87	.89	9,539	28,708	143,187	.006	.002	.000	-.10	-.11	-.14
DIVRSTUD	848	2.71	2.65	2.69	2.61	.03	.01	.01	.00	1.01	.99	1.01	1.03	9,556	28,778	143,423	.132	.747	.006	.05	.01	.10
DIFFSTU2	849	2.82	2.71	2.74	2.66	.03	.01	.01	.00	.98	.97	.98	1.01	9,570	28,811	858	.001	.013	.000	.12	.09	.16
MEMORIZE	836	3.04	2.99	3.01	2.95	.03	.01	.01	.00	.84	.84	.84	.86	9,500	28,577	142,325	.064	.281	.003	.07	.04	.10
ANALYZE	836	3.20	3.19	3.19	3.17	.03	.01	.00	.00	.74	.74	.76	.77	9,465	28,459	141,753	.800	.720	.252	.01	.01	.04
SYNTHESZ	832	2.94	2.97	2.95	2.95	.03	.01	.01	.00	.82	.83	.84	.84	9,455	28,442	141,600	.345	.679	.666	-.03	-.01	-.01
EVALUATE	832	2.84	2.83	2.88	2.95	.03	.01	.01	.00	.87	.86	.86	.86	9,463	28,478	841	.859	.170	.000	.01	-.05	-.13
APPLYING	833	3.21	3.16	3.11	3.09	.03	.01	.01	.00	.82	.82	.85	.85	9,484	28,526	142,033	.138	.002	.000	.05	.11	.14
READASGN	828	3.10	3.23	3.18	3.18	.03	.01	.01	.00	.89	.88	.91	.94	992	880	838	.000	.013	.013	-.14	-.09	-.08

^a All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

^b The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

^c A measure of the amount individual scores deviate from the mean of all the scores in the distribution.

^d Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and whether equal variances were assumed.

^e Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

^f Effect size is calculated by subtracting the comparison group mean from the school mean, then dividing the result by the pooled standard deviation.

Virginia Polytechnic Institute and State University
First-Year Students

	N	Mean				Standard Error of the Mean ^b				Standard Deviation ^c				Degrees of Freedom ^d			Significance ^e			Effect Size ^f		
	Virginia Tech	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech compared with:			Virginia Tech compared with:		
		Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011
READOWN	830	1.88	1.94	1.98	2.03	.03	.01	.01	.00	.78	.86	.89	.93	9,445	28,415	843	.050	.001	.000	-.07	-.12	-.16
WRITEMOR	828	1.15	1.20	1.21	1.27	.02	.01	.00	.00	.44	.56	.59	.69	1,103	921	851	.002	.000	.000	-.09	-.12	-.18
WRITEMID	830	2.12	2.10	2.14	2.20	.02	.01	.00	.00	.72	.76	.78	.81	9,454	890	842	.534	.300	.001	.02	-.03	-.11
WRITESML	830	2.93	2.88	2.89	2.97	.04	.01	.01	.00	1.04	.97	1.00	1.03	975	28,462	141,964	.167	.240	.268	.05	.04	-.04
PROBSETA	833	2.83	2.85	2.80	2.77	.04	.01	.01	.00	1.11	1.15	1.15	1.14	9,436	887	842	.563	.541	.138	-.02	.02	.05
PROBSETB	832	2.70	2.69	2.74	2.78	.04	.01	.01	.00	1.24	1.25	1.24	1.24	9,436	28,369	141,395	.906	.278	.057	.00	-.04	-.07
EXAMS	830	5.70	5.66	5.56	5.49	.04	.01	.01	.00	1.01	1.08	1.13	1.19	1,021	893	843	.260	.000	.000	.04	.12	.18
ATDART07	821	2.07	2.04	2.09	2.13	.03	.01	.01	.00	.84	.85	.89	.93	9,371	877	832	.432	.543	.025	.03	-.02	-.07
EXRCSE05	818	3.15	2.97	2.94	2.84	.03	.01	.01	.00	.90	.96	.98	1.04	9,362	875	829	.000	.000	.000	.19	.22	.30
WORSHPO5	815	1.96	2.01	1.98	2.05	.04	.01	.01	.00	1.09	1.10	1.09	1.12	9,352	28,111	139,626	.174	.563	.014	-.05	-.02	-.09
OWNVIEW	819	2.60	2.56	2.58	2.62	.03	.01	.01	.00	.85	.88	.89	.91	9,343	873	829	.192	.415	.658	.05	.03	-.01
OTHRVIEW	822	2.78	2.71	2.77	2.81	.03	.01	.01	.00	.87	.84	.86	.87	9,362	28,134	139,753	.037	.676	.333	.08	.01	-.03
CHNGVIEW	823	2.85	2.83	2.86	2.89	.03	.01	.01	.00	.84	.81	.83	.84	9,377	28,208	139,996	.484	.921	.228	.03	.00	-.04
INTERN04	800	.06	.07	.07	.07	.01	.00	.00	.00	.24	.25	.25	.25	979	27,802	810	.301	.353	.251	-.04	-.03	-.04
VOLNTR04	796	.53	.43	.41	.39	.02	.01	.00	.00	.50	.50	.49	.49	949	842	804	.000	.000	.000	.19	.24	.29
LRNCOM04	796	.20	.26	.22	.18	.01	.00	.00	.00	.40	.44	.42	.39	985	847	803	.000	.088	.269	-.14	-.06	.04
RESRCH04	798	.03	.05	.05	.05	.01	.00	.00	.00	.17	.23	.22	.22	1,081	875	813	.000	.002	.001	-.11	-.09	-.09
FORLNG04	800	.16	.26	.26	.20	.01	.00	.00	.00	.37	.44	.44	.40	1,024	867	810	.000	.000	.004	-.22	-.22	-.09
STDABR04	798	.02	.03	.03	.03	.00	.00	.00	.00	.13	.16	.16	.17	1,018	864	812	.151	.133	.013	-.05	-.05	-.07
INDSTD04	796	.02	.02	.03	.04	.01	.00	.00	.00	.15	.16	.17	.20	9,227	27,666	810	.936	.400	.003	.00	-.03	-.08
SNRX04	799	.02	.02	.02	.02	.00	.00	.00	.00	.13	.12	.13	.15	9,259	27,795	810	.849	.656	.224	.01	-.02	-.04
ENVSTU	796	5.95	5.62	5.53	5.51	.04	.01	.01	.00	1.14	1.28	1.33	1.37	995	860	808	.000	.000	.000	.26	.32	.32
ENVFAC	796	5.22	5.04	5.06	5.29	.04	.01	.01	.00	1.20	1.23	1.28	1.32	9,249	27,774	806	.000	.001	.071	.15	.12	-.06
ENVADM	796	4.88	4.73	4.68	4.85	.05	.02	.01	.00	1.44	1.40	1.46	1.54	9,246	27,746	806	.003	.000	.485	.11	.14	.02
ACADPR01	783	4.75	4.81	4.51	4.25	.06	.02	.01	.00	1.62	1.64	1.65	1.66	9,203	27,601	136,617	.293	.000	.000	-.04	.14	.30
WORKON01	787	1.25	1.43	1.44	1.47	.03	.01	.01	.00	.85	1.06	1.11	1.17	1,027	867	803	.000	.000	.000	-.18	-.17	-.19
WORKOF01	782	1.15	1.39	1.62	2.16	.03	.01	.01	.01	.72	1.13	1.49	2.12	1,171	988	861	.000	.000	.000	-.22	-.32	-.48
COCURR01	787	2.80	2.55	2.43	2.24	.06	.02	.01	.00	1.58	1.53	1.53	1.54	9,208	27,623	136,603	.000	.000	.000	.16	.25	.36

^a All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.
^b The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.
^c A measure of the amount individual scores deviate from the mean of all the scores in the distribution.
^d Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and whether equal variances were assumed.
^e Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.
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																	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011
SOCIAL05	786	3.96	3.86	3.87	3.73	.06	.02	.01	.00	1.64	1.58	1.62	1.63	9,191	27,536	136,254	.070	.118	.000	.07	.06	.14
CAREDE01	783	1.13	1.22	1.36	1.86	.02	.01	.01	.00	.53	.78	1.04	1.80	1,119	966	889	.000	.000	.000	-.12	-.22	-.40
COMMUTE	785	2.11	2.26	2.32	2.27	.03	.01	.01	.00	.74	.85	.95	1.13	991	863	806	.000	.000	.000	-.18	-.22	-.14
ENVSCHOL	778	3.29	3.28	3.21	3.19	.03	.01	.00	.00	.70	.71	.74	.75	9,100	27,306	134,807	.840	.005	.000	.01	.10	.13
ENVSUPRT	771	3.23	3.10	3.09	3.12	.03	.01	.00	.00	.78	.78	.79	.80	919	817	134,207	.000	.000	.000	.16	.18	.14
ENVDIVRS	775	2.84	2.79	2.75	2.74	.03	.01	.01	.00	.95	.95	.96	.98	9,064	27,182	784	.152	.006	.003	.05	.10	.11
ENVNACAD	773	2.36	2.24	2.23	2.29	.03	.01	.01	.00	.93	.92	.94	.98	9,073	27,232	782	.000	.000	.038	.13	.14	.07
ENVSOCAL	776	2.70	2.58	2.55	2.54	.03	.01	.01	.00	.91	.91	.92	.95	9,035	27,143	785	.000	.000	.000	.13	.16	.16
ENVEVENT	773	3.09	3.01	3.00	2.88	.03	.01	.01	.00	.83	.85	.87	.95	9,070	27,217	783	.015	.004	.000	.09	.10	.22
ENVCOMPT	778	3.54	3.38	3.37	3.33	.02	.01	.00	.00	.69	.76	.77	.79	962	835	789	.000	.000	.000	.22	.23	.27
NGNENLED	766	3.22	3.19	3.19	3.18	.03	.01	.00	.00	.78	.76	.77	.79	906	809	132,409	.292	.207	.146	.04	.05	.05
GNWORK	762	3.01	2.85	2.81	2.83	.03	.01	.01	.00	.88	.92	.93	.94	920	811	771	.000	.000	.000	.18	.21	.19
GNWRITE	765	2.83	2.86	2.90	3.03	.03	.01	.01	.00	.91	.87	.88	.86	899	806	772	.357	.031	.000	-.04	-.08	-.24
GNSPEAK	763	2.71	2.64	2.71	2.87	.03	.01	.01	.00	.95	.94	.94	.92	8,911	26,758	770	.041	.927	.000	.08	.00	-.17
GNANALY	763	3.31	3.27	3.24	3.25	.03	.01	.00	.00	.76	.76	.77	.78	8,949	26,805	132,122	.109	.005	.016	.06	.10	.09
GNQUANT	761	3.18	3.12	3.06	3.00	.03	.01	.01	.00	.84	.83	.85	.87	8,916	806	769	.061	.000	.000	.07	.15	.21
GNCMPTS	763	3.26	3.07	3.06	3.05	.03	.01	.01	.00	.83	.87	.89	.89	8,943	26,817	132,305	.000	.000	.000	.22	.23	.24
GNOTHERS	765	3.12	3.01	2.96	3.02	.03	.01	.01	.00	.86	.87	.89	.88	915	26,825	132,283	.000	.000	.001	.13	.18	.12
GNCITIZN	750	1.72	2.14	2.07	2.00	.03	.01	.01	.00	.90	1.02	1.01	1.02	935	805	760	.000	.000	.000	-.41	-.35	-.28
GNINQ	747	3.08	3.04	3.02	2.98	.03	.01	.01	.00	.80	.83	.84	.85	8,818	26,416	130,123	.207	.032	.001	.05	.08	.12
GNSELF	741	2.83	2.82	2.81	2.84	.04	.01	.01	.00	.96	.93	.94	.96	8,801	26,387	129,910	.836	.658	.708	.01	.02	-.01
GNDIVERS	746	2.62	2.67	2.67	2.69	.04	.01	.01	.00	.96	.92	.94	.97	876	26,423	130,208	.224	.137	.056	-.05	-.06	-.07
GNPROBSV	746	2.80	2.76	2.73	2.73	.03	.01	.01	.00	.91	.90	.92	.93	8,819	26,444	130,318	.207	.026	.021	.05	.08	.08
GNETHICS	748	2.86	2.72	2.69	2.75	.04	.01	.01	.00	.96	.97	.98	.99	8,826	793	756	.000	.000	.001	.15	.18	.12
GNCOMMUN	751	2.88	2.56	2.51	2.49	.03	.01	.01	.00	.93	.95	.96	.99	902	797	760	.000	.000	.000	.33	.39	.39
GNSPIRIT	750	2.06	2.00	2.00	2.14	.04	.01	.01	.00	1.07	1.05	1.05	1.10	8,820	26,453	758	.159	.147	.035	.05	.05	-.08
ADVISE	761	3.19	3.09	3.07	3.10	.03	.01	.01	.00	.82	.80	.82	.82	901	805	131,652	.003	.000	.003	.11	.14	.11
ENTIREXP	759	3.47	3.33	3.28	3.24	.02	.01	.00	.00	.66	.69	.70	.72	8,918	26,714	131,574	.000	.000	.000	.20	.27	.32
SAMECOLL	760	3.54	3.43	3.36	3.26	.03	.01	.00	.00	.70	.73	.76	.82	916	812	771	.000	.000	.000	.15	.23	.34

^a All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

^b The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

^c A measure of the amount individual scores deviate from the mean of all the scores in the distribution.

^d Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and whether equal variances were assumed.

^e Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

^f Effect size is calculated by subtracting the comparison group mean from the school mean, then dividing the result by the pooled standard deviation.

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	N	Mean				Standard Error of the Mean ^b				Standard Deviation ^c				Degrees of Freedom ^d			Significance ^e			Effect Size ^f		
	Virginia Tech	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech compared with:			Virginia Tech compared with:		
		peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011
CLQUEST	1,022	2.74	2.83	2.90	3.10	.03	.01	.00	.00	.89	.88	.89	.86	11,155	33,408	1,035	.002	.000	.000	-.10	-.17	-.41
CLPRESEN	1,024	2.64	2.56	2.57	2.77	.03	.01	.00	.00	.85	.84	.87	.89	11,148	1,093	143,938	.007	.009	.000	.09	.08	-.15
REWROPAP	1,019	2.19	2.30	2.34	2.49	.03	.01	.01	.00	.94	.94	.97	.99	11,111	1,087	1,034	.000	.000	.000	-.12	-.16	-.31
INTEGRAT	1,020	3.20	3.25	3.24	3.34	.02	.01	.00	.00	.78	.77	.78	.75	11,141	33,391	143,994	.031	.094	.000	-.07	-.05	-.19
DIVCLASS	1,022	2.42	2.61	2.71	2.84	.03	.01	.01	.00	.93	.94	.96	.94	11,134	33,304	143,664	.000	.000	.000	-.20	-.30	-.44
CLUNPREP	1,026	2.31	2.28	2.22	2.08	.03	.01	.00	.00	.84	.83	.83	.80	11,157	1,089	1,038	.274	.001	.000	.04	.11	.29
CLASSGRP	1,027	2.45	2.43	2.44	2.56	.03	.01	.01	.00	.90	.90	.91	.91	11,162	33,417	144,006	.403	.722	.000	.03	.01	-.12
OCCGRP	1,026	3.10	2.92	2.83	2.79	.03	.01	.01	.00	.87	.90	.92	.93	11,187	1,098	1,041	.000	.000	.000	.20	.29	.34
INTIDEAS	946	2.98	2.97	2.95	2.97	.03	.01	.00	.00	.78	.80	.82	.82	10,621	1,010	960	.740	.369	.815	.01	.03	.01
TUTOR	947	1.89	1.92	1.89	1.87	.03	.01	.01	.00	.91	.95	.96	.97	10,620	1,011	961	.345	.995	.533	-.03	.00	.02
COMMPROJ	938	1.66	1.56	1.63	1.73	.03	.01	.00	.00	.85	.83	.88	.91	10,574	31,891	952	.000	.224	.024	.12	.04	-.07
ITACADEM	947	2.95	2.93	2.92	2.90	.03	.01	.01	.00	.96	.97	.98	1.00	10,633	32,116	960	.425	.269	.080	.03	.04	.05
EMAIL	946	3.40	3.38	3.41	3.46	.02	.01	.00	.00	.71	.75	.74	.72	1,157	32,058	139,142	.335	.810	.021	.03	-.01	-.08
FACGRADE	944	2.70	2.61	2.68	2.81	.03	.01	.01	.00	.87	.87	.89	.89	10,599	32,045	139,172	.005	.583	.000	.10	.02	-.13
FACPLANS	943	2.34	2.29	2.30	2.40	.03	.01	.01	.00	.90	.91	.94	.97	10,615	32,041	957	.131	.257	.031	.05	.04	-.07
FACIDEAS	946	1.94	1.93	1.97	2.08	.03	.01	.01	.00	.86	.87	.90	.94	10,631	32,098	961	.591	.415	.000	.02	-.03	-.14
FACFEED	922	2.59	2.63	2.67	2.80	.03	.01	.00	.00	.81	.80	.82	.83	10,436	31,596	137,612	.148	.002	.000	-.05	-.10	-.26
WORKHARD	921	2.63	2.60	2.67	2.78	.03	.01	.00	.00	.85	.86	.87	.86	10,417	31,550	137,423	.374	.172	.000	.03	-.05	-.18
FACOTHER	922	1.85	1.79	1.78	1.84	.03	.01	.01	.00	.94	.93	.94	.97	10,399	31,457	934	.078	.017	.698	.06	.08	.01
OOCIDEAS	920	2.78	2.83	2.87	2.90	.03	.01	.00	.00	.84	.85	.86	.86	10,412	31,543	137,427	.103	.004	.000	-.06	-.10	-.14
DIVRSTUD	923	2.76	2.71	2.75	2.69	.03	.01	.01	.00	.97	.98	.99	1.01	10,433	31,600	936	.123	.807	.023	.05	.01	.07
DIFFSTU2	924	2.86	2.74	2.78	2.71	.03	.01	.01	.00	.92	.95	.97	.98	1,124	986	937	.000	.010	.000	.12	.08	.14
MEMORIZE	914	2.83	2.82	2.84	2.80	.03	.01	.01	.00	.92	.91	.92	.92	10,358	31,440	136,857	.773	.597	.434	.01	-.02	.03
ANALYZE	911	3.31	3.31	3.30	3.31	.03	.01	.00	.00	.76	.73	.75	.74	10,332	31,331	136,476	.858	.618	.901	.01	.02	.00
SYNTHESZ	911	3.05	3.07	3.07	3.11	.03	.01	.00	.00	.84	.85	.85	.83	10,324	31,284	136,219	.513	.532	.038	-.02	-.02	-.07
EVALUATE	909	2.96	2.94	2.98	3.05	.03	.01	.01	.00	.87	.89	.89	.87	10,331	31,352	136,502	.534	.673	.002	.02	-.01	-.10
APPLYING	912	3.29	3.22	3.21	3.25	.03	.01	.00	.00	.80	.83	.85	.82	10,348	31,392	136,695	.021	.006	.173	.08	.09	.05
READASGN	908	2.95	3.07	3.08	3.12	.03	.01	.01	.00	.98	1.00	1.01	1.02	10,303	965	920	.001	.000	.000	-.12	-.13	-.17

^a All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

^b The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

^c A measure of the amount individual scores deviate from the mean of all the scores in the distribution.

^d Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and whether equal variances were assumed.

^e Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

^f Effect size is calculated by subtracting the comparison group mean from the school mean, then dividing the result by the pooled standard deviation.

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	N	Mean				Standard Error of the Mean ^b				Standard Deviation ^c				Degrees of Freedom ^d			Significance ^e			Effect Size ^f		
	Virginia Tech	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech compared with:			Virginia Tech compared with:		
		peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011
READOWN	908	2.15	2.10	2.14	2.17	.03	.01	.01	.00	.93	.94	.97	.98	10,298	31,282	136,364	.136	.946	.420	.05	.00	-.03
WRITEMOR	908	1.67	1.60	1.57	1.62	.03	.01	.00	.00	.79	.76	.76	.79	10,294	31,289	136,370	.007	.000	.074	.09	.14	.06
WRITEMID	907	2.41	2.51	2.46	2.54	.03	.01	.01	.00	.95	.92	.94	.96	10,303	31,314	136,510	.002	.108	.000	-.11	-.05	-.13
WRITESML	908	2.90	3.00	2.96	2.99	.04	.01	.01	.00	1.16	1.11	1.13	1.15	1,073	31,314	136,527	.012	.154	.029	-.09	-.05	-.07
PROBSETA	907	2.71	2.63	2.65	2.71	.04	.01	.01	.00	1.28	1.26	1.26	1.25	10,274	31,210	135,914	.071	.167	.977	.06	.05	.00
PROBSETB	907	2.24	2.16	2.30	2.40	.04	.01	.01	.00	1.19	1.20	1.24	1.25	10,264	967	920	.059	.115	.000	.07	-.05	-.13
EXAMS	914	5.30	5.41	5.44	5.50	.04	.01	.01	.00	1.25	1.21	1.25	1.26	10,321	31,319	136,501	.009	.000	.000	-.09	-.12	-.16
ATDART07	887	1.95	1.97	2.00	2.01	.03	.01	.01	.00	.80	.85	.89	.91	10,204	952	901	.400	.058	.035	-.03	-.06	-.06
EXRCSE05	890	3.07	2.90	2.84	2.74	.03	.01	.01	.00	.95	.99	1.01	1.04	10,199	949	903	.000	.000	.000	.17	.24	.33
WORSHPO5	885	1.94	1.96	2.00	2.11	.04	.01	.01	.00	1.10	1.09	1.11	1.14	10,176	30,915	897	.646	.112	.000	-.02	-.05	-.15
OWNVIEW	885	2.69	2.66	2.69	2.72	.03	.01	.01	.00	.90	.89	.90	.90	10,166	30,872	134,716	.253	.898	.354	.04	.00	-.03
OTHRVIEW	891	2.84	2.80	2.85	2.88	.03	.01	.00	.00	.89	.86	.87	.86	10,201	941	901	.247	.650	.130	.04	-.02	-.05
CHNGVIEW	892	2.89	2.87	2.90	2.93	.03	.01	.00	.00	.83	.82	.83	.83	10,218	31,000	135,155	.356	.758	.141	.03	-.01	-.05
INTERN04	876	.61	.58	.52	.50	.02	.01	.00	.00	.49	.49	.50	.50	1,054	930	887	.033	.000	.000	.07	.19	.23
VOLNTR04	875	.75	.68	.64	.60	.01	.00	.00	.00	.43	.46	.48	.49	1,076	938	889	.000	.000	.000	.15	.23	.32
LRNCOM04	879	.28	.29	.26	.27	.02	.00	.00	.00	.45	.45	.44	.44	10,056	30,492	132,929	.581	.328	.399	-.02	.03	.03
RESRCH04	877	.32	.29	.23	.20	.02	.00	.00	.00	.47	.46	.42	.40	1,041	919	884	.111	.000	.000	.06	.20	.31
FORLNG04	878	.35	.49	.48	.40	.02	.01	.00	.00	.48	.50	.50	.49	1,070	935	889	.000	.000	.001	-.29	-.28	-.11
STDABR04	875	.19	.23	.18	.15	.01	.00	.00	.00	.39	.42	.38	.35	1,071	30,529	883	.012	.335	.000	-.08	.03	.13
INDSTD04	871	.21	.16	.16	.17	.01	.00	.00	.00	.41	.37	.36	.37	1,011	912	880	.001	.000	.002	.12	.14	.12
SNRX04	878	.48	.34	.29	.32	.02	.00	.00	.00	.50	.47	.45	.47	1,033	920	887	.000	.000	.000	.30	.43	.34
ENVSTU	876	5.91	5.62	5.56	5.64	.04	.01	.01	.00	1.13	1.32	1.35	1.32	1,114	949	890	.000	.000	.000	.23	.26	.21
ENVFAC	877	5.36	5.17	5.22	5.46	.04	.01	.01	.00	1.24	1.34	1.37	1.34	10,092	940	889	.000	.001	.013	.14	.10	-.08
ENVADM	876	4.82	4.57	4.51	4.66	.05	.02	.01	.00	1.58	1.59	1.65	1.68	10,082	932	888	.000	.000	.003	.16	.19	.09
ACADPR01	867	4.68	4.66	4.46	4.36	.06	.02	.01	.00	1.83	1.81	1.80	1.78	10,035	30,456	132,848	.726	.000	.000	.01	.12	.18
WORKON01	869	1.83	2.09	1.93	1.83	.05	.02	.01	.00	1.56	1.67	1.67	1.58	1,066	928	132,661	.000	.060	.976	-.15	-.06	.00
WORKOF01	862	1.79	2.36	2.91	3.52	.06	.02	.01	.01	1.72	2.08	2.48	2.78	1,111	968	891	.000	.000	.000	-.28	-.45	-.62
COCURR01	867	2.68	2.44	2.27	2.12	.06	.02	.01	.00	1.65	1.60	1.57	1.56	10,046	913	876	.000	.000	.000	.15	.26	.36

^a All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

^b The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

^c A measure of the amount individual scores deviate from the mean of all the scores in the distribution.

^d Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and whether equal variances were assumed.

^e Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

^f Effect size is calculated by subtracting the comparison group mean from the school mean, then dividing the result by the pooled standard deviation.

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	N	Mean				Standard Error of the Mean ^b				Standard Deviation ^c				Degrees of Freedom ^d			Significance ^e			Effect Size ^f		
	Virginia Tech	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech compared with:			Virginia Tech compared with:		
																	peer institutions	Carnegie Class	NSSE 2011	peer institutions	Carnegie Class	NSSE 2011
SOCIAL05	867	3.94	3.74	3.67	3.50	.06	.02	.01	.00	1.62	1.57	1.59	1.54	10,012	30,405	132,584	.000	.000	.000	.13	.17	.29
CAREDE01	868	1.22	1.49	1.88	2.44	.03	.01	.01	.01	.87	1.32	1.85	2.34	1,281	1,112	951	.000	.000	.000	-.21	-.36	-.53
COMMUTE	868	2.16	2.38	2.41	2.39	.02	.01	.01	.00	.66	.88	.96	1.09	1,181	979	898	.000	.000	.000	-.26	-.27	-.22
ENVSCHOL	858	3.18	3.21	3.15	3.17	.03	.01	.00	.00	.73	.75	.78	.77	9,948	915	870	.345	.198	.589	-.03	.04	.02
ENVSUPRT	862	2.95	2.87	2.87	2.96	.03	.01	.00	.00	.81	.84	.85	.85	1,045	917	131,145	.006	.004	.756	.10	.10	-.01
ENVDIVRS	860	2.46	2.48	2.50	2.56	.03	.01	.01	.00	.97	.99	1.00	1.00	9,915	914	871	.583	.238	.003	-.02	-.04	-.10
ENVNACAD	861	2.05	1.94	1.92	2.02	.03	.01	.01	.00	.89	.90	.91	.96	9,927	914	873	.001	.000	.299	.12	.14	.03
ENVSOCAL	855	2.39	2.30	2.26	2.27	.03	.01	.01	.00	.91	.94	.94	.95	9,882	29,989	130,708	.008	.000	.000	.10	.13	.12
ENVEVENT	862	2.89	2.81	2.77	2.65	.03	.01	.01	.00	.83	.91	.93	.97	1,065	925	877	.005	.000	.000	.09	.14	.24
ENVCOMPT	860	3.57	3.51	3.47	3.45	.02	.01	.00	.00	.67	.70	.74	.75	1,045	920	873	.019	.000	.000	.08	.13	.15
NGNENLED	852	3.20	3.23	3.21	3.24	.03	.01	.00	.00	.76	.80	.82	.81	1,039	909	864	.387	.881	.115	-.03	.00	-.05
GNWORK	852	3.12	3.01	2.98	3.06	.03	.01	.01	.00	.87	.93	.95	.93	9,828	911	863	.001	.000	.047	.12	.15	.06
GNWRITE	850	2.94	3.04	3.02	3.11	.03	.01	.01	.00	.89	.86	.87	.86	9,833	29,807	130,031	.001	.008	.000	-.12	-.09	-.20
GNSPEAK	850	2.92	2.88	2.90	3.01	.03	.01	.01	.00	.89	.92	.92	.90	9,805	29,730	129,639	.276	.523	.004	.04	.02	-.10
GNANALY	851	3.43	3.39	3.35	3.37	.03	.01	.00	.00	.73	.75	.77	.76	9,807	29,737	129,689	.071	.002	.018	.06	.11	.08
GNQUANT	848	3.29	3.17	3.12	3.11	.03	.01	.01	.00	.83	.87	.88	.88	9,804	29,683	129,490	.000	.000	.000	.14	.20	.21
GNCMPTS	852	3.30	3.22	3.19	3.20	.03	.01	.01	.00	.81	.85	.87	.86	9,826	29,811	129,986	.007	.000	.001	.10	.13	.12
GNOTHERS	853	3.26	3.16	3.12	3.18	.03	.01	.01	.00	.81	.85	.87	.85	9,825	29,800	129,896	.001	.000	.004	.12	.16	.10
GNCITIZN	836	1.95	2.18	2.12	2.09	.03	.01	.01	.00	.95	1.03	1.04	1.05	1,027	893	848	.000	.000	.000	-.23	-.16	-.14
GNINQ	833	3.15	3.11	3.07	3.07	.03	.01	.01	.00	.80	.84	.87	.88	1,012	890	845	.277	.005	.005	.04	.09	.09
GNSELF	834	2.87	2.85	2.81	2.85	.03	.01	.01	.00	.96	.97	.99	.99	9,700	886	845	.582	.078	.541	.02	.06	.02
GNDIVERS	832	2.50	2.60	2.63	2.67	.03	.01	.01	.00	.97	.95	.98	.99	9,706	29,439	128,417	.003	.000	.000	-.11	-.14	-.18
GNPROBSV	833	2.98	2.89	2.83	2.84	.03	.01	.01	.00	.90	.93	.94	.94	1,005	887	844	.008	.000	.000	.09	.16	.15
GNETHICS	834	2.72	2.71	2.66	2.76	.03	.01	.01	.00	1.00	1.02	1.03	1.03	9,718	885	128,516	.650	.079	.384	.02	.06	-.03
GNCOMMUN	833	2.70	2.52	2.47	2.51	.03	.01	.01	.00	.98	1.01	1.01	1.03	1,005	885	844	.000	.000	.000	.19	.23	.19
GNSPIRIT	837	1.77	1.79	1.78	1.95	.03	.01	.01	.00	.99	1.03	1.02	1.10	1,014	890	850	.452	.674	.000	-.03	-.01	-.17
ADVISE	841	2.99	2.89	2.86	2.94	.03	.01	.01	.00	.92	.94	.95	.94	1,011	892	129,790	.006	.000	.127	.10	.14	.05
ENTIREXP	839	3.45	3.31	3.24	3.23	.02	.01	.00	.00	.69	.74	.75	.75	9,796	29,702	129,761	.000	.000	.000	.19	.28	.29
SAMECOLL	841	3.52	3.38	3.29	3.21	.03	.01	.00	.00	.73	.80	.84	.86	1,038	905	855	.000	.000	.000	.18	.28	.36

^a All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

^b The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

^c A measure of the amount individual scores deviate from the mean of all the scores in the distribution.

^d Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and whether equal variances were assumed.

^e Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

^f Effect size is calculated by subtracting the comparison group mean from the school mean, then dividing the result by the pooled standard deviation.



Virginia Polytechnic Institute and State University

Frequency Distributions

August 2011

Interpreting the Frequency Distributions Report

Variables

The items from the NSSE survey appear in the left column in the same order and wording as they appear on the instrument.

Benchmark

Items that comprise the five “Benchmarks of Effective Educational Practice” are indicated by the following:

LAC=Level of Academic Challenge

ACL=Active and Collaborative Learning

SFI=Student-Faculty Interaction

EEE=Enriching Educational Experiences

SCE=Supportive Campus Environment

Variable Names

The name of each variable appears in the first column for easy reference to your raw data file and the *Mean Comparisons* report.

Weighting

Weights adjusting for gender and enrollment status (and by institutional size for comparison groups) are applied to the percentage column (%) of this report. Weights are computed separately for first-year students and seniors. Weighted results present a more accurate representation of your institution and comparison group students. *Only the column percents are weighted. The counts are the actual number of respondents. Because the counts are unweighted and the column percentages are weighted, you will not be able to calculate the column percent directly from the count numbers.* Additional details about weighting can be found on the NSSE Web site. nsse.iub.edu/links/institutional_reporting

Sample

The *Frequency Distributions* report is based on information from all randomly selected or census-administered students for both your institution and your comparison institutions. Targeted and locally administered oversamples and other non-randomly selected students are not included.

Class

Frequency distributions are reported separately for first-year students and seniors. Institution-reported class ranks are used.

NSSE 2011 Engagement Item Frequency Distributions^a
NSSEville State University

Variable	Response Options	First-Year Students								Seniors							
		NSSEville State		Mid East Private		Carnegie Class		NSSE 2011		NSSEville State		Mid East Private		Carnegie Class		NSSE 2011	
		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
1a. Asked questions in class or contributed to class discussions	CLQUEST (ACL)	15	2%	211	2%	1,248	3%	4,922	3%	9	1%	124	1%	901	2%	3,538	2%
		300	32%	2,905	34%	14,781	35%	57,335	35%	203	19%	2,088	22%	12,633	23%	46,587	25%
		333	37%	2,967	35%	15,134	36%	57,083	35%	321	32%	3,048	33%	17,608	33%	60,869	32%
		263	29%	2,079	29%	11,163	26%	44,027	27%	487	49%	4,058	44%	23,086	42%	81,914	41%
	Total	911	100%	8,162	100%	42,326	100%	163,367	100%	1,020	100%	9,318	100%	54,228	100%	192,908	100%
1b. Made a class presentation	CLPRESEN (ACL)	80	9%	775	9%	5,215	13%	21,742	14%	24	2%	277	3%	2,779	5%	10,865	6%
		541	59%	4,202	50%	21,727	50%	85,258	51%	310	30%	2,761	30%	16,041	30%	62,084	33%
		240	27%	2,406	30%	11,642	28%	42,552	26%	438	43%	3,688	39%	20,570	37%	71,247	36%
		47	5%	802	11%	3,780	9%	13,872	9%	255	24%	2,638	28%	15,083	27%	49,267	25%
	Total	908	100%	8,185	100%	42,364	100%	163,424	100%	1,027	100%	9,364	100%	54,473	100%	193,463	100%
1c. Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP	137	15%	960	11%	4,445	11%	20,566	13%	199	20%	1,624	16%	7,821	14%	30,644	16%
		346	39%	2,658	32%	12,162	29%	49,181	30%	384	38%	3,644	38%	19,675	36%	72,374	37%
		282	31%	2,709	33%	14,262	34%	52,973	33%	268	26%	2,451	27%	15,467	29%	52,575	28%
		145	15%	1,803	25%	11,341	27%	40,180	25%	176	17%	1,628	18%	11,403	21%	37,522	20%
	Total	910	100%	8,130	100%	42,210	100%	162,900	100%	1,027	100%	9,347	100%	54,366	100%	193,115	100%
1d. Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT	12	1%	133	2%	805	2%	3,275	2%	4	0%	88	1%	584	1%	2,004	1%
		189	21%	1,558	19%	7,790	19%	30,757	19%	79	8%	1,045	12%	5,944	11%	22,154	12%
		438	48%	3,796	46%	18,693	44%	71,661	43%	388	38%	3,565	38%	20,389	38%	71,169	37%
		272	29%	2,696	33%	15,110	35%	57,856	35%	551	54%	4,669	49%	27,625	50%	98,358	50%
	Total	911	100%	8,183	100%	42,398	100%	163,549	100%	1,022	100%	9,367	100%	54,542	100%	193,685	100%
1e. Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing	DIVCLASS	66	7%	516	6%	2,614	7%	10,590	7%	52	5%	542	6%	3,288	7%	12,973	7%
		319	35%	2,548	30%	12,747	30%	50,123	31%	306	30%	2,780	29%	15,326	28%	56,316	29%
		359	40%	3,248	39%	16,448	38%	62,783	38%	360	34%	3,253	35%	18,995	35%	66,376	34%
		160	17%	1,865	25%	10,544	25%	39,804	24%	308	30%	2,780	30%	16,844	30%	57,710	29%
	Total	904	100%	8,177	100%	42,353	100%	163,300	100%	1,026	100%	9,355	100%	54,453	100%	193,375	100%

Response Options

Response options are listed as they appear on the instrument.

Column Percentage (%)

This column presents the *weighted* percentage of students responding to the particular option in each question.

NSSE 2011 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech				peer institutions				Carnegie Class				NSSE 2011			
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
1a. Asked questions in class or contributed to class discussions	CLQUEST (ACL)	Never	74	7%	686	6%	1,845	6%	6,155	4%	51	5%	487	4%	1,438	4%	4,620	2%
		Sometimes	529	52%	5,415	48%	14,346	44%	65,935	36%	416	41%	5,149	37%	14,109	34%	56,777	26%
		Often	277	28%	3,357	30%	10,308	32%	63,499	34%	296	29%	4,240	31%	12,963	31%	70,984	31%
		Very often	128	13%	1,636	15%	5,585	17%	48,644	26%	258	25%	3,843	28%	13,122	31%	95,299	40%
	Total	1,008	100%	11,094	100%	32,084	100%	184,233	100%	1,021	100%	13,719	100%	41,632	100%	227,680	100%	
1b. Made a class presentation	CLPRESEN (ACL)	Never	182	18%	2,603	24%	6,745	22%	26,157	16%	71	7%	919	7%	3,254	9%	13,307	7%
		Sometimes	605	61%	6,428	58%	17,913	55%	95,257	51%	405	39%	6,121	45%	17,660	43%	74,334	34%
		Often	167	17%	1,610	14%	5,721	18%	46,897	25%	370	36%	4,399	32%	13,381	31%	82,465	35%
		Very often	48	5%	408	4%	1,599	5%	15,615	9%	178	17%	2,265	16%	7,301	17%	57,557	24%
	Total	1,002	100%	11,049	100%	31,978	100%	183,926	100%	1,024	100%	13,704	100%	41,596	100%	227,663	100%	
1c. Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP	Never	197	20%	2,096	20%	5,626	18%	23,523	13%	259	25%	2,708	20%	8,534	21%	36,971	17%
		Sometimes	347	35%	3,760	35%	10,185	32%	55,434	30%	427	42%	5,744	42%	16,466	39%	84,665	37%
		Often	301	30%	3,412	30%	10,066	32%	60,186	33%	216	21%	3,394	25%	10,307	25%	61,463	27%
		Very often	159	16%	1,763	15%	6,019	19%	44,250	25%	116	11%	1,817	13%	6,174	15%	44,054	19%
	Total	1,004	100%	11,031	100%	31,896	100%	183,393	100%	1,018	100%	13,663	100%	41,481	100%	227,153	100%	
1d. Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT	Never	30	3%	446	4%	1,070	4%	3,950	2%	15	1%	175	1%	681	2%	2,723	1%
		Sometimes	320	32%	3,105	28%	7,897	24%	35,319	20%	185	18%	2,123	16%	6,415	16%	26,554	13%
		Often	407	40%	4,813	44%	13,845	43%	79,496	43%	400	39%	5,364	39%	16,058	39%	82,931	37%
		Very often	250	25%	2,698	24%	9,179	29%	65,228	35%	420	41%	6,045	44%	18,437	44%	115,548	49%
	Total	1,007	100%	11,062	100%	31,991	100%	183,993	100%	1,020	100%	13,707	100%	41,591	100%	227,756	100%	
1e. Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments	DIVCLASS	Never	110	11%	1,081	10%	2,612	8%	12,157	7%	165	17%	1,505	12%	4,162	11%	16,138	8%
		Sometimes	394	39%	4,014	36%	10,566	33%	56,677	31%	395	39%	4,957	36%	13,381	32%	65,526	29%
		Often	332	33%	4,005	36%	12,022	37%	70,190	38%	312	30%	4,405	32%	13,487	32%	77,914	34%
		Very often	172	17%	1,954	18%	6,756	21%	44,737	24%	150	14%	2,827	20%	10,464	25%	67,704	29%
	Total	1,008	100%	11,054	100%	31,956	100%	183,761	100%	1,022	100%	13,694	100%	41,494	100%	227,282	100%	
1f. Come to class without completing readings or assignments	CLUNPREP	Never	205	20%	2,347	21%	6,866	21%	50,067	27%	131	13%	1,906	14%	6,562	16%	49,362	22%
		Sometimes	589	58%	6,243	56%	18,106	56%	102,397	55%	570	55%	7,510	54%	23,101	55%	129,372	56%
		Often	142	15%	1,751	16%	4,961	16%	21,789	12%	207	20%	2,883	21%	8,014	19%	33,363	15%
		Very often	71	7%	735	7%	2,076	7%	9,703	6%	118	12%	1,421	11%	3,933	10%	15,713	7%
	Total	1,007	100%	11,076	100%	32,009	100%	183,956	100%	1,026	100%	13,720	100%	41,610	100%	227,810	100%	
1g. Worked with other students on projects during class	CLASSGRP (ACL)	Never	139	14%	1,722	16%	4,985	16%	23,973	13%	137	13%	1,872	14%	5,733	14%	25,104	11%
		Sometimes	471	47%	4,813	43%	13,868	43%	78,108	42%	439	42%	5,958	43%	17,841	43%	90,540	39%
		Often	294	29%	3,396	31%	9,795	30%	59,494	32%	302	30%	3,902	28%	11,831	28%	71,282	31%
		Very often	102	10%	1,154	10%	3,373	11%	22,387	12%	149	15%	1,992	14%	6,214	15%	40,856	18%
	Total	1,006	100%	11,085	100%	32,021	100%	183,962	100%	1,027	100%	13,724	100%	41,619	100%	227,782	100%	

^a Column percentages are weighted by gender and enrollment status (and size for comparisons). Counts are not weighted so one cannot calculate column percentages from counts.

NSSE 2011 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors					
			Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011		
			Count	%	Count	%	Count	%	Count	%	Count	%
1h. Worked with classmates outside of class to prepare class assignments	OCCGRP (ACL)	Never	92	8%	992	9%	3,593	12%	23,145	14%	36	3%
		Sometimes	408	40%	4,838	42%	13,693	42%	74,951	41%	249	24%
		Often	373	37%	3,653	33%	10,271	32%	59,824	31%	335	33%
		Very often	138	14%	1,628	15%	4,564	14%	26,683	14%	406	40%
	Total		1,011	100%	11,111	100%	32,121	100%	184,603	100%	1,026	100%
1i. Put together ideas or concepts from different courses when completing assignments or during class discussions	INTIDEAS	Never	32	4%	616	6%	1,826	6%	10,810	7%	15	2%
		Sometimes	395	45%	4,312	41%	12,084	40%	66,043	38%	255	27%
		Often	316	36%	4,054	39%	11,737	39%	68,363	39%	420	44%
		Very often	135	15%	1,470	14%	4,643	15%	29,560	16%	258	27%
	Total		878	100%	10,452	100%	30,290	100%	174,776	100%	948	100%
1j. Tutored or taught other students (paid or voluntary)	TUTOR (ACL)	Never	366	41%	4,721	44%	14,370	47%	90,294	52%	388	40%
		Sometimes	347	39%	3,865	37%	10,613	35%	56,652	32%	359	38%
		Often	129	15%	1,306	13%	3,755	13%	19,522	11%	133	14%
		Very often	40	5%	568	6%	1,580	5%	8,710	5%	69	7%
	Total		882	100%	10,460	100%	30,318	100%	175,178	100%	949	100%
1k. Participated in a community- based project (e.g. service learning) as part of a regular course	COMMPROJ (ACL)	Never	503	57%	6,605	64%	19,283	64%	103,089	60%	500	53%
		Sometimes	247	28%	2,486	24%	6,811	23%	45,739	25%	305	33%
		Often	82	10%	968	9%	2,837	10%	17,646	10%	83	9%
		Very often	42	5%	349	3%	1,194	4%	7,567	4%	52	5%
	Total		874	100%	10,408	100%	30,125	100%	174,041	100%	940	100%
1l. Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment	ITACADEM (EEE)	Never	82	9%	1,082	10%	3,434	12%	25,847	15%	67	7%
		Sometimes	299	34%	3,185	30%	9,118	30%	52,296	30%	259	27%
		Often	246	28%	3,144	30%	8,943	29%	50,035	28%	273	29%
		Very often	255	29%	3,055	29%	8,855	30%	47,016	27%	350	37%
	Total		882	100%	10,466	100%	30,350	100%	175,194	100%	949	100%
1m. Used e-mail to communicate with an instructor	EMAIL	Never	10	1%	127	1%	355	1%	1,867	1%	4	0%
		Sometimes	212	25%	2,384	24%	6,395	22%	30,777	19%	113	12%
		Often	327	37%	3,935	38%	11,146	36%	61,986	35%	321	34%
		Very often	333	37%	4,018	38%	12,421	40%	80,328	44%	510	53%
	Total		882	100%	10,464	100%	30,317	100%	174,958	100%	948	100%
1n. Discussed grades or assignments with an instructor	FACGRADE (SFI)	Never	117	13%	1,309	12%	3,310	11%	13,666	8%	51	5%
		Sometimes	414	47%	4,987	48%	13,720	45%	70,314	40%	389	41%
		Often	242	28%	2,846	27%	8,687	29%	55,912	32%	297	32%
		Very often	104	11%	1,314	13%	4,583	15%	35,010	20%	209	22%
	Total		877	100%	10,456	100%	30,300	100%	174,902	100%	946	100%

^a Column percentages are weighted by gender and enrollment status (and size for comparisons). Counts are not weighted so one cannot calculate column percentages from counts.

NSSE 2011 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech				peer institutions				Carnegie Class				NSSE 2011			
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
1o. Talked about career plans with a faculty member or advisor	FACPLANS (SFI)	Never	229	27%	2,306	23%	7,070	24%	39,823	24%	151	17%	2,326	18%	7,601	20%	37,121	18%
		Sometimes	425	48%	5,020	48%	14,089	46%	78,493	44%	434	46%	6,115	47%	17,628	44%	88,549	40%
		Often	159	18%	2,252	21%	6,421	21%	38,087	21%	234	25%	3,000	22%	9,153	22%	55,864	24%
		Very often	68	7%	869	8%	2,711	9%	18,508	10%	126	13%	1,689	13%	5,693	14%	39,360	17%
	Total	881	100%	10,447	100%	30,291	100%	174,911	100%	945	100%	13,130	100%	40,075	100%	220,894	100%	
1p. Discussed ideas from your readings or classes with faculty members outside of class	FACIDEAS (SFI)	Never	453	51%	4,956	47%	13,943	46%	72,115	42%	316	33%	4,630	35%	13,722	34%	64,880	30%
		Sometimes	298	34%	3,816	37%	10,959	36%	65,792	37%	441	47%	5,813	44%	17,216	43%	93,691	42%
		Often	96	11%	1,251	12%	3,891	13%	25,510	15%	123	13%	1,861	14%	6,106	15%	39,803	18%
		Very often	35	4%	456	4%	1,574	5%	11,772	7%	68	7%	847	7%	3,107	8%	22,942	10%
	Total	882	100%	10,479	100%	30,367	100%	175,189	100%	948	100%	13,151	100%	40,151	100%	221,316	100%	
1q. Received prompt written or oral feedback from faculty on your academic performance	FACFEED (SFI)	Never	88	10%	968	10%	2,557	9%	11,071	7%	62	7%	818	7%	2,472	7%	9,942	5%
		Sometimes	368	44%	4,356	42%	11,871	40%	58,142	35%	381	41%	4,946	38%	14,070	36%	64,167	30%
		Often	296	35%	3,793	37%	11,395	38%	70,399	40%	356	39%	5,339	41%	16,578	41%	96,473	43%
		Very often	100	11%	1,166	11%	3,990	13%	32,615	18%	125	13%	1,832	14%	6,468	16%	48,098	21%
	Total	852	100%	10,283	100%	29,813	100%	172,227	100%	924	100%	12,935	100%	39,588	100%	218,680	100%	
1r. Worked harder than you thought you could to meet an instructor's standards or expectations	WORKHARD (LAC)	Never	75	9%	819	9%	2,290	8%	10,262	7%	62	7%	1,027	9%	2,931	8%	11,806	6%
		Sometimes	334	40%	3,922	38%	10,971	37%	57,229	34%	377	41%	5,044	39%	14,337	36%	70,022	33%
		Often	302	36%	3,915	38%	11,393	38%	69,188	40%	323	35%	4,704	36%	14,773	37%	85,779	39%
		Very often	135	15%	1,630	15%	5,134	17%	35,252	20%	161	17%	2,133	16%	7,477	19%	50,737	23%
	Total	846	100%	10,286	100%	29,788	100%	171,931	100%	923	100%	12,908	100%	39,518	100%	218,344	100%	
1s. Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.)	FACOTHER (SFI)	Never	538	64%	6,102	60%	17,878	60%	95,731	57%	407	44%	6,115	48%	19,233	50%	99,749	48%
		Sometimes	217	25%	2,847	28%	7,783	26%	47,846	27%	325	35%	4,093	31%	12,092	30%	66,494	30%
		Often	74	9%	959	9%	2,869	10%	19,493	11%	114	12%	1,719	13%	5,079	13%	31,376	14%
		Very often	18	2%	324	3%	1,114	4%	8,365	5%	78	8%	947	7%	2,988	8%	20,303	9%
	Total	847	100%	10,232	100%	29,644	100%	171,435	100%	924	100%	12,874	100%	39,392	100%	217,922	100%	
1t. Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)	OOCIDEAS (ACL)	Never	67	8%	565	6%	1,672	6%	10,154	7%	33	4%	511	4%	1,566	4%	8,161	4%
		Sometimes	328	39%	3,864	37%	10,863	37%	58,207	34%	336	37%	4,340	34%	12,546	32%	65,025	30%
		Often	289	34%	3,703	36%	10,667	36%	61,852	36%	341	37%	4,809	37%	14,499	36%	80,687	37%
		Very often	166	19%	2,124	21%	6,523	22%	41,639	23%	212	23%	3,242	25%	10,899	27%	64,504	29%
	Total	850	100%	10,256	100%	29,725	100%	171,852	100%	922	100%	12,902	100%	39,510	100%	218,377	100%	
1u. Had serious conversations with students of a different race or ethnicity than your own	DIVRSTUD (EEE)	Never	108	12%	1,376	13%	3,972	13%	27,003	16%	86	9%	1,473	11%	4,333	11%	27,588	13%
		Sometimes	278	33%	3,572	34%	9,456	31%	54,883	32%	310	33%	4,397	33%	12,459	31%	72,327	32%
		Often	229	27%	2,875	28%	8,363	28%	46,131	27%	267	29%	3,673	29%	11,368	29%	60,051	28%
		Very often	237	28%	2,452	25%	8,002	27%	44,139	25%	262	28%	3,384	27%	11,423	29%	58,760	27%
	Total	852	100%	10,275	100%	29,793	100%	172,156	100%	925	100%	12,927	100%	39,583	100%	218,726	100%	

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NSSE 2011 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech		peer institutions		Carnegie Class		NSSE 2011		Virginia Tech		peer institutions		Carnegie Class		NSSE 2011	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
1v. Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values	DIFFSTU2 (EEE)	Never	77	9%	1,135	11%	3,224	11%	22,085	14%	55	6%	1,186	9%	3,639	10%	23,558	11%
		Sometimes	268	31%	3,510	33%	9,482	32%	55,793	32%	300	32%	4,473	34%	12,677	32%	73,663	33%
		Often	236	28%	3,073	30%	8,935	30%	49,198	28%	294	32%	3,923	30%	11,936	30%	63,414	29%
		Very often	272	32%	2,576	26%	8,190	28%	45,204	26%	276	30%	3,349	26%	11,348	29%	58,119	27%
	Total	853	100%	10,294	100%	29,831	100%	172,280	100%	925	100%	12,931	100%	39,600	100%	218,754	100%	
2a. Coursework emphasizes: Memorizing facts, ideas, or methods from your courses and readings	MEMORIZE (LAC)	Very little	32	4%	416	4%	1,215	4%	8,770	5%	73	8%	1,015	8%	3,070	8%	18,989	8%
		Some	181	22%	2,365	23%	6,776	23%	42,115	25%	254	28%	3,599	29%	10,982	28%	63,671	29%
		Quite a bit	340	41%	4,301	42%	12,184	41%	69,076	41%	339	37%	4,788	37%	14,445	37%	79,136	37%
		Very much	287	34%	3,145	30%	9,433	32%	51,026	30%	250	27%	3,445	26%	10,902	28%	55,771	26%
Total	840	100%	10,227	100%	29,608	100%	170,987	100%	916	100%	12,847	100%	39,399	100%	217,567	100%		
2b. Coursework emphasizes: Analyzing the basic elements of an idea, experience, or theory	ANALYZE (LAC)	Very little	10	1%	137	1%	501	2%	3,008	2%	18	2%	191	2%	590	2%	2,800	1%
		Some	135	16%	1,593	16%	4,499	16%	27,011	17%	110	12%	1,500	12%	4,764	12%	25,743	12%
		Quite a bit	374	45%	4,606	45%	13,017	44%	73,710	43%	356	39%	5,321	41%	15,747	40%	86,744	40%
		Very much	321	38%	3,850	38%	11,466	39%	66,580	38%	429	47%	5,802	46%	18,162	46%	101,645	46%
Total	840	100%	10,186	100%	29,483	100%	170,309	100%	913	100%	12,814	100%	39,263	100%	216,932	100%		
2c. Coursework emphasizes: Synthesizing and organizing ideas, information, or experiences	SYNTHESESZ (LAC)	Very little	26	3%	395	4%	1,148	4%	6,474	4%	30	3%	464	4%	1,442	4%	6,605	3%
		Some	237	28%	2,499	24%	7,427	26%	41,640	25%	216	24%	2,751	21%	8,109	21%	41,421	20%
		Quite a bit	337	41%	4,359	43%	12,339	42%	70,917	41%	347	38%	5,018	39%	15,309	39%	85,518	40%
		Very much	237	28%	2,928	29%	8,564	29%	51,115	29%	320	35%	4,569	36%	14,340	36%	83,033	37%
Total	837	100%	10,181	100%	29,478	100%	170,146	100%	913	100%	12,802	100%	39,200	100%	216,577	100%		
2d. Coursework emphasizes: Making judgments about the value of information, arguments, or methods	EVALUATE (LAC)	Very little	53	6%	602	6%	1,617	6%	7,742	5%	50	5%	745	6%	2,123	6%	9,399	5%
		Some	240	28%	2,943	29%	8,085	27%	41,556	25%	219	24%	3,117	24%	9,103	23%	44,649	21%
		Quite a bit	338	41%	4,217	41%	12,080	41%	70,611	41%	362	40%	5,010	39%	15,182	38%	84,502	39%
		Very much	205	24%	2,426	24%	7,730	26%	50,523	29%	280	31%	3,946	31%	12,886	32%	78,446	35%
Total	836	100%	10,188	100%	29,512	100%	170,432	100%	911	100%	12,818	100%	39,294	100%	216,996	100%		
2e. Coursework emphasizes: Applying theories or concepts to practical problems or in new situations	APPLYING (LAC)	Very little	21	3%	268	3%	986	4%	5,602	4%	20	2%	391	3%	1,279	4%	5,591	3%
		Some	151	18%	1,916	19%	5,828	20%	34,327	21%	142	15%	2,080	16%	6,566	17%	32,503	16%
		Quite a bit	300	36%	3,904	38%	11,260	38%	66,250	39%	310	34%	4,548	35%	13,532	34%	76,023	35%
		Very much	366	44%	4,124	40%	11,491	39%	64,497	37%	442	49%	5,814	45%	17,975	45%	103,222	47%
Total	838	100%	10,212	100%	29,565	100%	170,676	100%	914	100%	12,833	100%	39,352	100%	217,339	100%		
3a. Number of assigned textbooks, books, or book-length packs of course readings	READASGN (LAC)	None	8	1%	59	1%	179	1%	1,094	1%	17	2%	190	2%	579	2%	2,830	1%
		1-4	195	24%	1,840	19%	5,956	22%	35,556	23%	314	35%	3,750	30%	11,497	31%	59,219	29%
		5-10	384	47%	4,780	47%	13,354	46%	73,373	44%	349	38%	5,040	40%	14,946	38%	82,186	38%
		11-20	180	21%	2,452	24%	6,869	22%	40,242	22%	142	15%	2,291	17%	7,218	18%	43,001	19%
		More than 20	66	8%	1,037	10%	3,111	10%	20,041	11%	88	10%	1,513	11%	4,998	12%	29,568	13%
Total	833	100%	10,168	100%	29,469	100%	170,306	100%	910	100%	12,784	100%	39,238	100%	216,804	100%		

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NSSE 2011 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech		peer institutions		Carnegie Class		NSSE 2011		Virginia Tech		peer institutions		Carnegie Class		NSSE 2011	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
3b. Number of books read on your own (not assigned) for personal enjoyment or academic enrichment	READOWN	None	249	31%	3,044	30%	8,390	29%	46,209	28%	196	22%	3,083	24%	8,929	23%	47,538	22%
		1-4	462	55%	5,423	53%	15,707	53%	90,270	52%	489	54%	6,823	53%	20,889	53%	115,094	53%
		5-10	89	10%	1,163	11%	3,566	12%	21,605	13%	145	16%	1,849	15%	5,884	15%	33,449	15%
		11-20	24	3%	317	3%	1,007	3%	6,388	4%	48	5%	537	4%	1,858	5%	10,768	5%
		More than 20	10	1%	230	2%	802	3%	5,906	4%	32	3%	481	4%	1,663	4%	10,009	5%
		Total	834	100%	10,177	100%	29,472	100%	170,378	100%	910	100%	12,773	100%	39,223	100%	216,858	100%
3c. Number of written papers or reports of 20 pages or more	WRITEMOR (LAC)	None	730	88%	8,702	85%	25,042	85%	141,291	82%	442	48%	6,670	52%	21,284	55%	109,661	51%
		1-4	88	11%	1,122	11%	3,289	11%	20,352	12%	370	41%	5,062	39%	14,897	37%	88,058	40%
		5-10	10	1%	207	2%	675	2%	4,725	3%	77	9%	722	6%	2,053	5%	12,725	6%
		11-20	2	0%	66	1%	240	1%	2,062	1%	9	1%	188	2%	553	1%	3,367	2%
		More than 20	2	0%	60	1%	195	1%	1,703	1%	12	1%	126	1%	442	1%	3,082	1%
		Total	832	100%	10,157	100%	29,441	100%	170,133	100%	910	100%	12,768	100%	39,229	100%	216,893	100%
3d. Number of written papers or reports between 5 and 19 pages	WRITEMID (LAC)	None	132	16%	1,895	19%	5,115	18%	25,437	16%	132	15%	1,241	10%	4,404	12%	20,557	10%
		1-4	506	61%	5,807	57%	16,607	56%	93,674	55%	414	45%	5,931	46%	18,104	47%	95,473	45%
		5-10	170	20%	2,053	20%	6,328	21%	40,308	23%	251	28%	3,901	30%	11,559	29%	67,577	30%
		11-20	21	2%	348	3%	1,174	4%	8,907	5%	85	9%	1,286	10%	3,809	9%	24,248	11%
		More than 20	6	1%	80	1%	276	1%	2,114	1%	27	3%	424	3%	1,385	4%	9,236	4%
		Total	835	100%	10,183	100%	29,500	100%	170,440	100%	909	100%	12,783	100%	39,261	100%	217,091	100%
3e. Number of written papers or reports of fewer than 5 pages	WRITESML (LAC)	None	26	3%	275	3%	905	3%	4,796	3%	66	7%	580	5%	2,185	6%	12,110	6%
		1-4	312	38%	3,842	38%	10,908	38%	55,736	34%	341	37%	4,190	33%	13,339	35%	72,623	35%
		5-10	260	31%	3,625	35%	10,095	34%	59,174	34%	239	26%	3,938	31%	11,528	29%	61,078	28%
		11-20	157	18%	1,702	17%	5,158	17%	33,668	19%	145	16%	2,406	18%	7,056	17%	39,452	17%
		More than 20	80	10%	745	7%	2,453	8%	17,263	10%	119	13%	1,669	13%	5,165	13%	31,877	14%
		Total	835	100%	10,189	100%	29,519	100%	170,637	100%	910	100%	12,783	100%	39,273	100%	217,140	100%
4a. Number of problem sets that take you more than an hour to complete	PROBSETA	None	85	10%	966	9%	3,088	10%	19,435	11%	164	17%	2,663	20%	8,066	19%	39,067	17%
		1-2	259	31%	3,411	34%	10,083	34%	57,246	34%	314	34%	4,009	31%	12,240	31%	65,388	30%
		3-4	302	37%	3,354	33%	9,548	33%	55,572	33%	214	24%	3,392	27%	10,466	27%	61,840	29%
		5-6	101	12%	1,100	11%	3,044	10%	18,533	11%	84	9%	1,054	8%	3,355	9%	21,699	10%
		More than 6	90	11%	1,331	13%	3,677	13%	19,254	11%	133	15%	1,621	13%	5,003	13%	28,131	13%
		Total	837	100%	10,162	100%	29,440	100%	170,040	100%	909	100%	12,739	100%	39,130	100%	216,125	100%
4b. Number of problem sets that take you less than an hour to complete	PROBSETB	None	122	14%	1,448	15%	4,061	14%	22,768	13%	279	30%	4,382	35%	12,115	30%	58,019	26%
		1-2	326	40%	3,881	39%	10,922	37%	60,315	36%	348	38%	4,547	36%	13,789	35%	75,813	35%
		3-4	188	22%	2,416	23%	7,257	25%	43,587	25%	153	17%	2,028	15%	6,955	18%	43,262	20%
		5-6	80	10%	967	9%	3,016	10%	19,275	11%	56	6%	713	5%	2,534	6%	16,495	8%
		More than 6	120	14%	1,450	14%	4,168	14%	24,014	14%	73	8%	1,059	8%	3,685	10%	22,349	11%
		Total	836	100%	10,162	100%	29,424	100%	169,959	100%	909	100%	12,729	100%	39,078	100%	215,938	100%

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NSSE 2011 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors						
			Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011			
			Count	%	Count	%	Count	%	Count	%	Count	%	
5.	Select the circle that best represents the extent to which your examinations during the current school year have challenged you to do your best work	EXAMS	1 Very little	2	0%	33	0%	125	0%	1,052	1%	9	1%
			2	5	1%	87	1%	303	1%	1,807	1%	20	2%
			3	14	2%	248	3%	831	3%	5,329	3%	49	5%
			4	61	7%	845	8%	2,855	10%	18,787	12%	110	12%
			5	236	29%	2,823	28%	8,494	29%	50,788	30%	282	31%
			6	331	40%	3,854	37%	10,709	36%	57,058	32%	306	33%
			7 Very much	186	22%	2,312	23%	6,214	21%	35,717	21%	140	15%
			Total	835	100%	10,202	100%	29,531	100%	170,538	100%	916	100%
6a.	Attended an art exhibit, play, dance, music, theater, or other performance	ATDART07	Never	194	25%	2,561	26%	7,407	27%	40,253	26%	253	29%
			Sometimes	425	51%	5,127	50%	14,108	47%	76,416	45%	468	52%
			Often	144	17%	1,628	16%	5,024	17%	32,607	18%	118	13%
			Very often	62	7%	788	7%	2,715	9%	19,258	11%	51	6%
			Total	825	100%	10,104	100%	29,254	100%	168,534	100%	890	100%
6b.	Exercised or participated in physical fitness activities	EXRCSE05	Never	32	4%	694	7%	2,217	8%	18,317	12%	50	6%
			Sometimes	190	23%	2,730	27%	7,953	27%	45,454	27%	226	25%
			Often	233	28%	2,894	29%	8,287	28%	43,424	26%	230	26%
			Very often	367	46%	3,778	38%	10,763	37%	61,077	35%	387	44%
			Total	822	100%	10,096	100%	29,220	100%	168,272	100%	893	100%
6c.	Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.)	WORSHP05	Never	381	47%	4,484	44%	13,530	46%	70,776	43%	418	47%
			Sometimes	206	25%	2,651	26%	7,491	26%	43,388	26%	242	27%
			Often	113	14%	1,388	14%	3,784	13%	24,376	14%	82	9%
			Very often	119	14%	1,557	16%	4,360	15%	29,497	17%	145	16%
			Total	819	100%	10,080	100%	29,165	100%	168,037	100%	887	100%
6d.	Examined the strengths and weaknesses of your own views on a topic or issue	OWNVIEW	Never	65	8%	1,074	10%	3,151	10%	16,553	10%	67	8%
			Sometimes	336	41%	4,093	40%	11,402	38%	61,989	37%	338	38%
			Often	285	35%	3,341	34%	9,751	34%	57,588	34%	288	33%
			Very often	136	16%	1,561	16%	4,842	17%	31,811	19%	194	22%
			Total	822	100%	10,069	100%	29,146	100%	167,941	100%	887	100%
6e.	Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	OTHRVIEW	Never	44	5%	561	6%	1,665	6%	9,139	6%	50	6%
			Sometimes	285	35%	3,756	37%	10,033	34%	53,316	32%	286	32%
			Often	298	36%	3,850	38%	11,162	38%	64,740	38%	314	35%
			Very often	199	24%	1,922	20%	6,336	22%	41,003	24%	244	27%
			Total	826	100%	10,089	100%	29,196	100%	168,198	100%	894	100%
6f.	Learned something that changed the way you understand an issue or concept	CHNGVIEW	Never	28	3%	312	3%	994	4%	5,799	4%	32	4%
			Sometimes	273	33%	3,347	33%	9,247	32%	49,475	30%	265	30%
			Often	311	38%	4,126	40%	11,752	40%	67,167	39%	365	41%
			Very often	215	26%	2,324	23%	7,281	25%	46,109	27%	233	26%
			Total	827	100%	10,109	100%	29,274	100%	168,550	100%	895	100%

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NSSE 2011 Engagement Item Frequency Distributions ^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors					
			Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011		
			Count	%	Count	%	Count	%	Count	%	Count	%
7a. Practicum, internship, field experience, co-op experience, or clinical assignment	INTERN04 (EEE)	Have not decided	69	9%	889	9%	2,735	10%	20,460	13%	47	5%
		Do not plan to do	12	2%	236	2%	818	3%	6,529	4%	136	16%
		Plan to do	675	84%	8,251	81%	23,511	80%	127,997	76%	154	18%
		Done	48	6%	642	7%	1,853	7%	11,103	7%	542	61%
	Total	804	100%	10,018	100%	28,917	100%	166,089	100%	879	100%	
7b. Community service or volunteer work	VOLNTR04 (EEE)	Have not decided	46	6%	803	9%	2,557	10%	18,758	12%	41	5%
		Do not plan to do	16	2%	372	4%	1,245	5%	8,511	6%	89	11%
		Plan to do	308	39%	4,443	44%	13,053	44%	71,748	43%	79	9%
		Done	431	53%	4,362	43%	11,944	41%	66,524	39%	669	75%
	Total	801	100%	9,980	100%	28,799	100%	165,541	100%	878	100%	
7c. Participate in a learning community or some other formal program where groups of students take two or more classes together	LRNCOM04 (EEE)	Have not decided	248	31%	2,589	26%	8,006	28%	53,132	31%	83	10%
		Do not plan to do	231	29%	2,742	28%	7,955	28%	39,612	24%	507	58%
		Plan to do	164	20%	2,135	21%	6,475	22%	43,295	26%	41	5%
		Done	157	20%	2,498	26%	6,318	22%	29,066	18%	251	28%
	Total	800	100%	9,964	100%	28,754	100%	165,105	100%	882	100%	
7d. Work on a research project with a faculty member outside of course or program requirements	RESRCH04 (SFI)	Have not decided	282	36%	3,409	34%	10,131	35%	63,035	37%	85	10%
		Do not plan to do	140	17%	1,516	15%	5,286	18%	35,788	22%	416	47%
		Plan to do	356	44%	4,515	46%	12,002	42%	58,987	36%	99	12%
		Done	24	3%	547	5%	1,420	5%	7,807	5%	280	32%
	Total	802	100%	9,987	100%	28,839	100%	165,617	100%	880	100%	
7e. Foreign language coursework	FORLNG04 (EEE)	Have not decided	140	17%	1,752	18%	4,602	16%	30,826	19%	48	5%
		Do not plan to do	369	47%	2,842	29%	7,555	27%	43,923	27%	490	56%
		Plan to do	162	20%	2,677	27%	8,797	31%	55,053	33%	35	4%
		Done	133	16%	2,735	26%	7,948	26%	36,105	20%	308	35%
	Total	804	100%	10,006	100%	28,902	100%	165,907	100%	881	100%	
7f. Study abroad	STDABR04 (EEE)	Have not decided	234	30%	2,511	26%	7,444	27%	46,120	29%	68	8%
		Do not plan to do	171	23%	1,590	17%	5,320	20%	39,787	26%	579	67%
		Plan to do	382	46%	5,631	54%	15,325	50%	75,125	42%	56	6%
		Done	15	2%	249	3%	717	3%	4,386	3%	175	19%
	Total	802	100%	9,981	100%	28,806	100%	165,418	100%	878	100%	
7g. Independent study or self-designed major	INDSTD04 (EEE)	Have not decided	277	35%	3,050	30%	8,860	31%	54,950	33%	64	7%
		Do not plan to do	380	48%	5,421	55%	15,061	52%	76,970	46%	570	65%
		Plan to do	123	15%	1,258	13%	4,070	14%	27,367	17%	56	6%
		Done	20	2%	242	2%	798	3%	5,883	4%	184	21%
	Total	800	100%	9,971	100%	28,789	100%	165,170	100%	874	100%	

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NSSE 2011 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors											
			Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011								
			Count	%	Count	%	Count	%	Count	%	Count	%						
7h. Culminating senior experience (capstone course, senior project or thesis, comprehensive exam, etc.)	SNRX04 (EEE)	Have not decided	315	39%	4,078	41%	11,583	40%	61,099	37%	40	5%	1,019	8%	3,839	11%	22,270	11%
		Do not plan to do	72	9%	1,084	11%	3,295	12%	17,346	11%	173	19%	3,987	31%	12,121	31%	47,371	23%
		Plan to do	404	50%	4,694	47%	13,538	47%	84,292	49%	243	28%	3,321	27%	10,904	29%	70,348	33%
		Done	12	2%	153	2%	494	2%	3,183	2%	425	48%	4,218	34%	11,622	29%	72,941	32%
	Total		803	100%	10,009	100%	28,910	100%	165,920	100%	881	100%	12,545	100%	38,486	100%	212,930	100%
8a. Quality of relationships with other students	ENVSTU (SCE)	1 Unfriendly, Unsupportive, Sense of alienation	2	0%	82	1%	271	1%	1,790	1%	2	0%	118	1%	368	1%	1,837	1%
		2	10	1%	187	2%	625	2%	3,894	2%	9	1%	276	2%	902	3%	4,239	2%
		3	21	3%	403	4%	1,267	5%	7,800	5%	21	2%	507	4%	1,711	5%	8,519	4%
		4	50	6%	997	10%	3,226	12%	18,839	12%	69	8%	1,201	10%	4,052	11%	21,428	11%
		5	137	17%	2,136	21%	6,272	22%	34,280	21%	145	16%	2,569	21%	7,987	21%	41,780	20%
		6	273	34%	3,410	34%	9,607	33%	51,988	31%	319	36%	4,236	34%	12,548	32%	68,271	32%
		7 Friendly, Supportive, Sense of belonging	307	39%	2,783	28%	7,591	26%	47,356	28%	314	36%	3,635	29%	10,900	28%	66,704	30%
		Total		800	100%	9,998	100%	28,859	100%	165,947	100%	879	100%	12,542	100%	38,468	100%	212,778
8b. Quality of relationships with faculty members	ENVFAC (SCE)	1 Unavailable, Unhelpful, Unsympathetic	2	0%	53	1%	210	1%	1,269	1%	1	0%	150	1%	446	1%	2,074	1%
		2	13	2%	246	3%	745	3%	3,346	2%	27	3%	384	3%	1,215	3%	4,793	3%
		3	46	6%	692	7%	2,025	7%	8,794	6%	42	5%	809	7%	2,420	6%	9,610	5%
		4	160	20%	2,012	20%	5,657	19%	25,188	16%	106	12%	1,853	15%	5,724	15%	24,910	12%
		5	228	29%	3,193	32%	8,869	30%	43,328	26%	267	30%	3,605	29%	10,202	26%	47,894	23%
		6	230	29%	2,704	27%	7,899	27%	50,601	29%	273	31%	3,886	31%	11,815	30%	68,828	32%
		7 Available, Helpful, Sympathetic	121	15%	1,101	11%	3,485	12%	33,442	19%	164	19%	1,857	15%	6,662	18%	54,732	24%
		Total		800	100%	10,001	100%	28,890	100%	165,968	100%	880	100%	12,544	100%	38,484	100%	212,841
8c. Quality of relationships with administrative personnel and offices	ENVADM (SCE)	1 Unhelpful, Inconsiderate, Rigid	16	2%	183	2%	639	3%	4,044	3%	33	4%	532	5%	1,922	5%	9,932	5%
		2	30	4%	481	5%	1,556	6%	7,984	5%	43	5%	894	7%	3,164	8%	15,687	8%
		3	71	9%	1,019	10%	3,102	11%	15,282	10%	91	10%	1,477	12%	4,720	12%	22,490	11%
		4	200	25%	2,547	26%	7,365	25%	35,791	22%	185	21%	2,754	22%	8,357	22%	42,438	20%
		5	185	23%	2,605	26%	7,292	25%	39,482	23%	199	23%	2,972	23%	8,515	22%	45,978	21%
		6	185	23%	2,109	21%	5,816	20%	36,712	21%	186	21%	2,515	20%	7,326	19%	42,928	20%
		7 Helpful, Considerate, Flexible	113	14%	1,055	10%	3,101	11%	26,600	16%	142	16%	1,392	11%	4,470	12%	33,439	16%
		Total		800	100%	9,999	100%	28,871	100%	165,895	100%	879	100%	12,536	100%	38,474	100%	212,892

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NSSE 2011 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors											
			Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011								
			Count	%	Count	%	Count	%	Count	%	Count	%						
9a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	ACADPR01 (LAC)	0 hrs/wk	0	0%	19	0%	78	0%	505	0%	0	0%	23	0%	105	0%	567	0%
		1-5 hrs/wk	56	7%	641	6%	2,554	10%	20,219	14%	95	11%	1,322	11%	4,862	13%	28,216	14%
		6-10 hrs/wk	133	17%	1,692	17%	5,788	21%	37,387	24%	177	20%	2,531	20%	8,560	22%	48,955	24%
		11-15 hrs/wk	172	22%	2,119	22%	6,409	23%	36,295	22%	173	20%	2,528	20%	7,830	20%	42,808	20%
		16-20 hrs/wk	194	25%	2,223	22%	6,007	20%	31,022	18%	156	18%	2,332	19%	6,786	18%	36,639	17%
		21-25 hrs/wk	115	14%	1,601	16%	3,897	13%	19,397	11%	110	13%	1,545	12%	4,191	11%	22,968	10%
		26-30 hrs/wk	55	7%	863	9%	2,062	7%	10,489	6%	61	7%	928	7%	2,536	7%	14,042	6%
		30+ hrs/wk	63	8%	808	8%	1,934	7%	9,653	5%	98	12%	1,273	11%	3,430	9%	17,586	8%
Total			788	100%	9,966	100%	28,729	100%	164,967	100%	870	100%	12,482	100%	38,300	100%	211,781	100%
9b. Working for pay on campus	WORKON01	0 hrs/wk	714	90%	8,178	83%	23,897	84%	131,511	82%	615	71%	7,911	64%	26,656	71%	149,132	73%
		1-5 hrs/wk	16	2%	311	3%	812	3%	7,387	4%	47	5%	577	5%	1,485	4%	10,600	4%
		6-10 hrs/wk	28	3%	663	6%	1,780	6%	12,924	6%	85	10%	1,312	10%	3,129	8%	18,861	8%
		11-15 hrs/wk	21	3%	527	5%	1,267	4%	6,727	4%	57	7%	1,240	10%	2,829	7%	13,204	6%
		16-20 hrs/wk	6	1%	203	2%	662	2%	3,965	3%	34	4%	910	7%	2,466	6%	12,206	6%
		21-25 hrs/wk	3	0%	58	1%	167	1%	822	1%	10	1%	281	2%	767	2%	3,114	2%
		26-30 hrs/wk	2	0%	13	0%	59	0%	319	0%	5	1%	99	1%	334	1%	1,347	1%
		30+ hrs/wk	2	0%	16	0%	87	0%	1,239	1%	19	2%	139	1%	580	2%	2,996	2%
Total			792	100%	9,969	100%	28,731	100%	164,894	100%	872	100%	12,469	100%	38,246	100%	211,460	100%
9c. Working for pay off campus	WORKOF01	0 hrs/wk	741	94%	8,509	86%	23,574	81%	120,232	71%	659	77%	7,760	62%	21,238	54%	99,764	46%
		1-5 hrs/wk	14	2%	399	4%	1,173	4%	7,589	5%	34	4%	713	6%	2,088	5%	10,907	5%
		6-10 hrs/wk	11	1%	342	3%	1,056	4%	7,113	4%	56	6%	871	7%	2,594	7%	13,192	6%
		11-15 hrs/wk	8	1%	297	3%	961	4%	6,860	4%	27	3%	913	7%	2,587	7%	13,118	6%
		16-20 hrs/wk	6	1%	184	2%	842	3%	7,210	5%	28	3%	866	7%	3,056	8%	17,516	8%
		21-25 hrs/wk	3	0%	109	1%	511	2%	4,815	3%	23	3%	584	5%	2,210	6%	13,595	7%
		26-30 hrs/wk	2	0%	46	1%	248	1%	2,908	2%	11	1%	287	2%	1,294	4%	9,528	5%
		30+ hrs/wk	1	0%	46	0%	304	1%	8,013	6%	27	3%	458	4%	3,182	10%	33,968	17%
Total			786	100%	9,932	100%	28,669	100%	164,740	100%	865	100%	12,452	100%	38,249	100%	211,588	100%
9d. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	COCURR01 (EEE)	0 hrs/wk	146	19%	2,278	23%	8,201	30%	61,330	40%	209	24%	3,766	31%	14,257	39%	96,187	47%
		1-5 hrs/wk	264	33%	3,957	39%	10,430	35%	52,055	30%	304	35%	4,402	34%	11,997	30%	58,702	27%
		6-10 hrs/wk	193	24%	1,853	19%	4,989	17%	23,353	13%	152	17%	1,989	16%	5,559	14%	24,891	11%
		11-15 hrs/wk	96	12%	894	9%	2,452	9%	12,406	7%	96	11%	1,020	8%	2,818	7%	13,016	6%
		16-20 hrs/wk	38	5%	467	5%	1,300	5%	7,681	4%	50	6%	588	5%	1,682	4%	8,212	4%
		21-25 hrs/wk	28	4%	217	2%	619	2%	3,767	2%	22	2%	288	2%	805	2%	4,256	2%
		26-30 hrs/wk	6	1%	96	1%	251	1%	1,602	1%	15	2%	135	1%	358	1%	2,122	1%
		30+ hrs/wk	21	3%	203	2%	507	2%	2,790	2%	22	3%	308	3%	845	2%	4,433	2%
Total			792	100%	9,965	100%	28,749	100%	164,984	100%	870	100%	12,496	100%	38,321	100%	211,819	100%

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NSSE 2011 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors											
			Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011								
			Count	%	Count	%	Count	%	Count	%	Count	%						
9e. Relaxing and socializing (watching TV, partying, etc.)	SOCIAL05	0 hrs/wk	9	1%	77	1%	233	1%	1,951	1%	3	0%	112	1%	408	1%	2,762	1%
		1-5 hrs/wk	144	18%	1,892	19%	5,463	19%	39,289	24%	156	17%	2,686	21%	8,800	24%	59,902	28%
		6-10 hrs/wk	216	27%	2,884	28%	8,360	29%	48,259	29%	261	30%	3,796	30%	11,601	30%	65,007	30%
		11-15 hrs/wk	175	22%	2,373	24%	6,642	23%	33,928	20%	206	24%	2,736	22%	8,020	21%	39,981	19%
		16-20 hrs/wk	122	16%	1,383	14%	3,937	14%	20,214	12%	107	13%	1,587	13%	4,709	12%	22,742	11%
		21-25 hrs/wk	60	8%	655	7%	1,866	7%	9,391	6%	61	7%	721	6%	2,125	5%	9,504	5%
		26-30 hrs/wk	24	3%	263	3%	798	3%	4,122	3%	31	4%	305	2%	911	2%	4,234	2%
		30+ hrs/wk	41	6%	422	5%	1,379	5%	7,450	5%	45	5%	511	4%	1,664	5%	7,219	4%
	Total		791	100%	9,949	100%	28,678	100%	164,604	100%	870	100%	12,454	100%	38,238	100%	211,351	100%
9f. Providing care for dependents living with you (parents, children, spouse, etc.)	CAREDE01	0 hrs/wk	724	92%	8,771	88%	24,350	83%	120,636	70%	785	90%	10,049	80%	28,119	71%	128,350	59%
		1-5 hrs/wk	40	5%	664	7%	2,332	9%	18,814	12%	37	4%	1,168	10%	3,907	11%	25,833	12%
		6-10 hrs/wk	15	2%	251	3%	870	3%	8,229	6%	24	3%	476	4%	1,901	5%	13,963	7%
		11-15 hrs/wk	4	1%	118	1%	447	2%	4,360	3%	7	1%	231	2%	1,023	3%	8,299	4%
		16-20 hrs/wk	4	1%	63	1%	276	1%	2,767	2%	5	0%	134	1%	679	2%	6,188	3%
		21-25 hrs/wk	1	0%	23	0%	99	0%	1,332	1%	4	0%	57	0%	352	1%	3,332	2%
		26-30 hrs/wk	0	0%	11	0%	47	0%	920	1%	1	0%	52	0%	254	1%	2,555	1%
		30+ hrs/wk	0	0%	37	0%	230	1%	7,272	5%	8	1%	273	2%	1,944	6%	22,605	11%
	Total		788	100%	9,938	100%	28,651	100%	164,330	100%	871	100%	12,440	100%	38,179	100%	211,125	100%
9g. Commuting to class (driving, walking, etc.)	COMMUTE	0 hrs/wk	66	8%	728	7%	2,298	8%	30,061	16%	38	4%	518	4%	1,984	5%	23,563	10%
		1-5 hrs/wk	625	79%	6,986	70%	19,556	67%	100,162	60%	706	81%	8,313	66%	25,245	65%	129,537	60%
		6-10 hrs/wk	70	9%	1,600	16%	4,718	17%	21,286	15%	101	12%	2,664	22%	7,758	21%	38,645	20%
		11-15 hrs/wk	13	2%	382	4%	1,221	5%	6,881	5%	16	2%	663	5%	2,078	6%	11,549	6%
		16-20 hrs/wk	9	1%	141	1%	485	2%	2,943	2%	4	0%	167	1%	631	2%	3,950	2%
		21-25 hrs/wk	2	0%	51	0%	172	1%	1,220	1%	3	0%	54	0%	203	1%	1,433	1%
		26-30 hrs/wk	0	0%	21	0%	87	0%	600	0%	0	0%	21	0%	107	0%	793	0%
		30+ hrs/wk	5	1%	43	0%	173	1%	1,629	1%	3	0%	75	1%	292	1%	2,237	1%
	Total		790	100%	9,952	100%	28,710	100%	164,782	100%	871	100%	12,475	100%	38,298	100%	211,707	100%
10a. Spending significant amounts of time studying and on academic work	ENVSCHOL (LAC)	Very little	7	1%	89	1%	373	1%	2,522	2%	14	2%	222	2%	798	2%	4,213	2%
		Some	86	11%	1,122	12%	3,901	15%	23,017	15%	124	14%	1,796	14%	6,304	17%	32,534	16%
		Quite a bit	349	45%	4,415	45%	12,753	45%	72,731	45%	414	48%	5,562	45%	16,799	44%	91,608	44%
		Very much	341	42%	4,233	42%	11,432	39%	64,785	38%	309	36%	4,806	39%	14,119	37%	81,653	38%
	Total		783	100%	9,859	100%	28,459	100%	163,055	100%	861	100%	12,386	100%	38,020	100%	210,008	100%
10b. Providing the support you need to help you succeed academically	ENVSUPRT (SCE)	Very little	15	2%	206	2%	652	2%	3,834	3%	32	4%	648	6%	2,045	6%	9,184	5%
		Some	117	15%	1,804	19%	5,391	19%	27,605	18%	207	24%	3,167	26%	9,793	26%	45,783	23%
		Quite a bit	308	41%	4,440	45%	12,716	45%	69,039	43%	394	45%	5,478	44%	16,561	43%	89,763	43%
		Very much	336	42%	3,378	34%	9,574	33%	61,833	36%	232	27%	3,030	24%	9,434	25%	64,373	29%
	Total		776	100%	9,828	100%	28,333	100%	162,311	100%	865	100%	12,323	100%	37,833	100%	209,103	100%

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NSSE 2011 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors					
			Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011		
			Count	%	Count	%	Count	%	Count	%	Count	%
10c. Encouraging contact among students from different economic, social, and racial or ethnic backgrounds	ENVDIVRS (EEE)	Very little	67	9%	925	10%	2,958	11%	17,748	12%	148	17%
		Some	215	28%	2,826	29%	8,299	29%	45,572	29%	319	37%
		Quite a bit	261	34%	3,377	34%	9,645	34%	54,361	33%	242	28%
		Very much	236	30%	2,694	27%	7,438	26%	44,612	26%	154	17%
	Total		779	100%	9,822	100%	28,340	100%	162,293	100%	863	100%
10d. Helping you cope with your non-academic responsibilities (work, family, etc.)	ENVNACAD (SCE)	Very little	139	18%	2,205	23%	6,775	24%	36,320	24%	262	30%
		Some	319	41%	4,053	42%	11,351	40%	59,693	36%	365	43%
		Quite a bit	207	27%	2,493	25%	7,052	25%	43,531	26%	172	20%
		Very much	113	14%	1,089	11%	3,217	11%	23,015	14%	65	8%
	Total		778	100%	9,840	100%	28,395	100%	162,559	100%	864	100%
10e. Providing the support you need to thrive socially	ENVSOCAL (SCE)	Very little	76	10%	1,149	12%	3,576	13%	22,864	15%	145	17%
		Some	244	32%	3,416	35%	9,858	35%	54,108	34%	347	40%
		Quite a bit	288	37%	3,540	36%	10,052	35%	55,076	33%	259	30%
		Very much	173	21%	1,687	17%	4,798	17%	29,820	18%	108	13%
	Total		781	100%	9,792	100%	28,284	100%	161,868	100%	859	100%
10f. Attending campus events and activities (special speakers, cultural performances, athletic events, etc.)	ENVEVENT	Very little	27	4%	407	4%	1,338	5%	13,553	10%	44	5%
		Some	148	20%	2,187	23%	6,237	22%	36,306	23%	214	25%
		Quite a bit	314	41%	4,042	41%	11,524	40%	60,838	37%	392	46%
		Very much	288	36%	3,195	32%	9,269	32%	51,717	30%	215	24%
	Total		777	100%	9,831	100%	28,368	100%	162,414	100%	865	100%
10g. Using computers in academic work	ENVCOMPT	Very little	8	1%	163	2%	492	2%	3,658	2%	9	1%
		Some	66	8%	1,175	12%	3,454	12%	21,215	13%	64	7%
		Quite a bit	209	26%	3,249	33%	9,306	33%	54,790	34%	222	26%
		Very much	500	64%	5,263	53%	15,158	53%	82,885	51%	568	66%
	Total		783	100%	9,850	100%	28,410	100%	162,548	100%	863	100%
11a. Acquiring a broad general education	GNGENLED	Very little	14	2%	159	2%	552	2%	3,923	3%	16	2%
		Some	121	16%	1,455	15%	4,200	15%	23,353	15%	133	15%
		Quite a bit	300	40%	4,299	44%	12,288	44%	67,320	42%	368	43%
		Very much	336	42%	3,806	38%	10,989	38%	65,819	39%	338	39%
	Total		771	100%	9,719	100%	28,029	100%	160,415	100%	855	100%
11b. Acquiring job or work-related knowledge and skills	GNWORK	Very little	41	6%	725	8%	2,309	9%	13,101	9%	41	5%
		Some	167	22%	2,634	27%	7,830	28%	42,255	27%	154	18%
		Quite a bit	293	39%	3,627	37%	10,290	36%	57,994	36%	321	37%
		Very much	266	34%	2,724	28%	7,567	27%	46,823	28%	339	40%
	Total		767	100%	9,710	100%	27,996	100%	160,173	100%	855	100%

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NSSE 2011 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors											
			Virginia Tech	peer institutions	Carnegie Class	NSSE 2011	Virginia Tech	peer institutions	Carnegie Class	NSSE 2011								
			Count	%	Count	%	Count	%	Count	%	Count	%						
11c. Writing clearly and effectively	GNWRITE	Very little	57	7%	586	7%	1,662	6%	6,799	5%	45	5%	492	4%	1,696	5%	7,917	4%
		Some	218	30%	2,550	27%	7,031	25%	32,896	21%	222	26%	2,660	22%	8,187	22%	38,337	19%
		Quite a bit	277	36%	4,016	41%	11,408	41%	64,854	40%	320	38%	4,809	39%	14,555	39%	77,773	38%
		Very much	218	27%	2,566	26%	7,925	28%	55,861	34%	266	31%	4,276	35%	13,091	34%	83,477	39%
		Total	770	100%	9,718	100%	28,026	100%	160,410	100%	853	100%	12,237	100%	37,529	100%	207,504	100%
11d. Speaking clearly and effectively	GNSPEAK	Very little	81	11%	1,113	12%	2,941	11%	11,775	8%	47	5%	817	7%	2,613	7%	11,441	6%
		Some	230	31%	3,075	32%	8,452	30%	40,497	26%	236	27%	3,220	27%	9,551	26%	43,943	22%
		Quite a bit	266	35%	3,417	35%	10,098	36%	60,748	38%	308	37%	4,506	36%	13,635	36%	76,646	37%
		Very much	191	24%	2,063	21%	6,456	23%	46,954	29%	262	30%	3,658	30%	11,625	31%	74,855	35%
		Total	768	100%	9,668	100%	27,947	100%	159,974	100%	853	100%	12,201	100%	37,424	100%	206,885	100%
11e. Thinking critically and analytically	GNANALY	Very little	12	2%	165	2%	559	2%	3,190	2%	14	2%	208	2%	753	2%	3,683	2%
		Some	101	13%	1,288	14%	3,944	14%	21,103	14%	82	9%	1,258	10%	4,127	11%	20,980	11%
		Quite a bit	281	37%	3,990	41%	11,550	41%	63,890	40%	282	33%	4,333	35%	13,291	35%	71,846	35%
		Very much	374	48%	4,270	44%	11,943	42%	71,876	43%	476	56%	6,403	53%	19,253	51%	110,442	52%
		Total	768	100%	9,713	100%	27,996	100%	160,059	100%	854	100%	12,202	100%	37,424	100%	206,951	100%
11f. Analyzing quantitative problems	GNQUANT	Very little	23	3%	322	3%	1,187	4%	7,873	5%	27	3%	518	4%	1,758	5%	9,472	5%
		Some	139	18%	1,841	19%	5,740	21%	34,847	22%	138	16%	2,291	18%	7,520	20%	40,975	20%
		Quite a bit	276	36%	3,892	40%	11,278	40%	63,991	40%	266	31%	4,239	34%	13,022	35%	74,394	36%
		Very much	328	43%	3,621	38%	9,695	35%	52,971	33%	419	50%	5,149	43%	15,070	41%	81,762	40%
		Total	766	100%	9,676	100%	27,900	100%	159,682	100%	850	100%	12,197	100%	37,370	100%	206,603	100%
11g. Using computing and information technology	GNCMPTS	Very little	21	3%	455	5%	1,479	5%	8,680	6%	23	3%	431	4%	1,502	4%	8,098	4%
		Some	127	17%	1,975	20%	5,817	21%	34,072	21%	127	14%	2,095	17%	6,683	18%	36,063	17%
		Quite a bit	255	33%	3,696	38%	10,404	37%	59,624	37%	290	34%	4,214	34%	12,843	34%	71,404	34%
		Very much	365	48%	3,578	37%	10,306	37%	57,892	37%	415	49%	5,482	46%	16,483	44%	91,821	45%
		Total	768	100%	9,704	100%	28,006	100%	160,268	100%	855	100%	12,222	100%	37,511	100%	207,386	100%
11h. Working effectively with others	GNOTHERS	Very little	30	4%	429	5%	1,392	6%	7,016	5%	26	3%	428	4%	1,452	4%	6,909	4%
		Some	150	20%	2,212	23%	6,692	24%	33,834	22%	118	14%	2,118	18%	7,114	20%	34,459	18%
		Quite a bit	274	36%	3,803	39%	10,816	38%	61,759	38%	319	37%	4,473	36%	13,420	36%	73,812	36%
		Very much	316	40%	3,261	33%	9,119	32%	57,665	35%	393	46%	5,205	42%	15,527	40%	92,110	43%
		Total	770	100%	9,705	100%	28,019	100%	160,274	100%	856	100%	12,224	100%	37,513	100%	207,290	100%
11i. Voting in local, state, or national elections	GNCITIZN	Very little	395	53%	3,201	33%	10,150	36%	64,973	41%	329	40%	3,753	32%	12,678	35%	74,835	37%
		Some	218	29%	3,122	32%	8,803	32%	47,684	30%	294	35%	4,039	33%	11,973	32%	64,218	31%
		Quite a bit	93	12%	2,081	22%	5,547	20%	28,198	18%	144	17%	2,608	21%	7,530	20%	38,666	19%
		Very much	49	6%	1,195	13%	3,179	12%	17,255	11%	72	9%	1,709	14%	4,990	13%	27,656	14%
		Total	755	100%	9,599	100%	27,679	100%	158,110	100%	839	100%	12,109	100%	37,171	100%	205,375	100%

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NSSE 2011 Engagement Item Frequency Distributions^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech		peer institutions		Carnegie Class		NSSE 2011		Virginia Tech		peer institutions		Carnegie Class		NSSE 2011	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
11j. Learning effectively on your own	GNINQ	Very little	19	2%	366	4%	1,146	4%	7,173	5%	34	4%	480	4%	1,831	5%	10,404	6%
		Some	154	21%	1,870	20%	5,618	21%	33,978	22%	118	14%	2,146	18%	6,824	19%	37,403	19%
		Quite a bit	319	42%	4,206	44%	12,093	44%	68,538	43%	377	45%	4,927	40%	14,881	40%	81,457	39%
		Very much	260	34%	3,139	32%	8,752	31%	48,058	30%	308	36%	4,540	38%	13,535	36%	75,582	36%
		Total	752	100%	9,581	100%	27,609	100%	157,747	100%	837	100%	12,093	100%	37,071	100%	204,846	100%
11k. Understanding yourself	GNSELF	Very little	76	10%	832	9%	2,541	10%	14,370	10%	84	10%	1,198	10%	4,046	12%	21,072	11%
		Some	183	25%	2,528	26%	7,187	26%	38,460	25%	193	23%	2,983	25%	9,267	25%	47,542	24%
		Quite a bit	270	36%	3,612	37%	10,337	37%	58,020	36%	308	37%	4,182	34%	12,491	33%	68,986	33%
		Very much	217	28%	2,600	27%	7,524	27%	46,675	29%	253	30%	3,710	31%	11,204	30%	66,854	32%
		Total	746	100%	9,572	100%	27,589	100%	157,525	100%	838	100%	12,073	100%	37,008	100%	204,454	100%
11l. Understanding people of other racial and ethnic backgrounds	GNDIVERS	Very little	89	12%	979	11%	3,004	11%	18,373	12%	138	17%	1,508	13%	4,753	14%	26,276	13%
		Some	262	35%	3,163	33%	8,848	32%	47,790	30%	286	34%	4,157	34%	11,905	32%	62,358	30%
		Quite a bit	234	31%	3,429	36%	9,640	34%	54,205	34%	261	31%	3,983	33%	12,046	32%	65,762	32%
		Very much	166	22%	2,012	21%	6,145	22%	37,565	24%	151	18%	2,441	20%	8,394	22%	50,684	24%
		Total	751	100%	9,583	100%	27,637	100%	157,933	100%	836	100%	12,089	100%	37,098	100%	205,080	100%
11m. Solving complex real-world problems	GNPROBSV	Very little	56	8%	767	8%	2,512	9%	14,841	10%	54	6%	913	8%	3,285	9%	18,007	9%
		Some	226	30%	2,940	31%	8,608	31%	47,902	30%	189	22%	3,137	25%	9,968	27%	53,714	26%
		Quite a bit	274	37%	3,698	38%	10,293	37%	58,149	36%	321	38%	4,481	37%	13,402	36%	74,456	36%
		Very much	195	26%	2,180	23%	6,236	23%	37,151	23%	273	33%	3,566	30%	10,476	28%	58,958	28%
		Total	751	100%	9,585	100%	27,649	100%	158,043	100%	837	100%	12,097	100%	37,131	100%	205,135	100%
11n. Developing a personal code of values and ethics	GNETHICS	Very little	67	9%	1,118	12%	3,406	13%	17,859	13%	109	13%	1,643	14%	5,493	16%	26,293	14%
		Some	205	27%	2,728	28%	7,860	29%	41,389	27%	232	28%	3,304	27%	10,287	28%	50,756	25%
		Quite a bit	245	33%	3,398	35%	9,615	34%	54,480	34%	272	32%	3,865	31%	11,495	30%	64,074	31%
		Very much	237	31%	2,350	24%	6,765	24%	44,258	27%	225	27%	3,285	27%	9,849	26%	64,072	30%
		Total	754	100%	9,594	100%	27,646	100%	157,986	100%	838	100%	12,097	100%	37,124	100%	205,195	100%
11o. Contributing to the welfare of your community	GNCOMMUN	Very little	51	7%	1,301	14%	4,181	16%	25,849	18%	98	12%	2,031	18%	6,748	19%	35,966	19%
		Some	215	29%	3,270	34%	9,592	35%	51,779	33%	254	30%	3,998	33%	12,372	34%	64,036	32%
		Quite a bit	251	33%	3,183	33%	8,819	31%	48,855	30%	270	32%	3,547	29%	10,599	28%	59,349	28%
		Very much	239	31%	1,818	19%	5,048	18%	31,517	19%	215	25%	2,510	20%	7,374	19%	45,829	21%
		Total	756	100%	9,572	100%	27,640	100%	158,000	100%	837	100%	12,086	100%	37,093	100%	205,180	100%
11p. Developing a deepened sense of spirituality	GNSPIRIT	Very little	296	40%	4,129	43%	11,973	43%	57,462	38%	452	54%	6,542	55%	20,317	55%	93,526	48%
		Some	219	29%	2,567	27%	7,366	27%	41,331	26%	211	25%	2,763	22%	8,320	22%	47,813	23%
		Quite a bit	131	17%	1,714	18%	4,871	18%	31,685	20%	98	12%	1,526	13%	4,514	12%	31,188	15%
		Very much	109	14%	1,174	12%	3,447	13%	27,616	16%	80	9%	1,278	11%	3,988	11%	32,822	15%
		Total	755	100%	9,584	100%	27,657	100%	158,094	100%	841	100%	12,109	100%	37,139	100%	205,349	100%

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NSSE 2011 Engagement Item Frequency Distributions ^a Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech		peer institutions		Carnegie Class		NSSE 2011		Virginia Tech		peer institutions		Carnegie Class		NSSE 2011	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
12. Overall, how would you evaluate the quality of academic advising you have received at your institution?	ADVISE	Poor	34	4%	371	4%	1,345	5%	6,622	5%	74	9%	1,159	10%	3,936	11%	17,620	9%
		Fair	99	13%	1,536	16%	4,610	16%	23,313	15%	144	17%	2,576	21%	8,102	22%	38,715	19%
		Good	321	42%	4,507	47%	12,886	46%	72,465	46%	345	41%	4,804	39%	14,810	39%	82,105	40%
		Excellent	312	40%	3,269	33%	9,084	33%	57,178	34%	281	33%	3,678	30%	10,597	28%	68,789	32%
	Total	766	100%	9,683	100%	27,925	100%	159,578	100%	844	100%	12,217	100%	37,445	100%	207,229	100%	
13. How would you evaluate your entire educational experience at this institution?	ENTIREXP	Poor	10	1%	118	1%	373	2%	2,544	2%	12	1%	259	2%	870	3%	4,507	2%
		Fair	40	5%	787	8%	2,509	9%	15,518	11%	56	7%	1,153	10%	4,060	11%	22,437	12%
		Good	292	38%	4,480	46%	13,570	48%	75,634	48%	316	37%	5,218	42%	17,030	46%	93,537	46%
		Excellent	422	55%	4,300	44%	11,464	41%	65,765	39%	458	54%	5,571	45%	15,461	40%	86,682	40%
	Total	764	100%	9,685	100%	27,916	100%	159,461	100%	842	100%	12,201	100%	37,421	100%	207,163	100%	
14. If you could start over again, would you go to the same institution you are now attending?	SAMECOLL	Definitely no	15	2%	187	2%	722	3%	5,858	4%	17	2%	440	4%	1,619	5%	10,327	5%
		Probably no	48	6%	771	8%	2,504	9%	17,475	11%	69	8%	1,076	9%	3,964	11%	25,399	13%
		Probably yes	206	28%	3,391	35%	10,381	37%	61,332	39%	216	26%	3,974	33%	13,145	36%	76,408	37%
		Definitely yes	496	64%	5,343	55%	14,332	51%	74,993	45%	542	64%	6,729	54%	18,730	49%	95,152	45%
	Total	765	100%	9,692	100%	27,939	100%	159,658	100%	844	100%	12,219	100%	37,458	100%	207,286	100%	

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NSSE 2011 Background Item Frequency Distributions ^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech		peer institutions		Carnegie Class		NSSE 2011		Virginia Tech		peer institutions		Carnegie Class		NSSE 2011	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
15. Age	AGE	19 or younger	752	97%	9,351	96%	26,345	93%	136,595	82%	2	0%	103	1%	235	1%	730	0%
		20-23	19	2%	340	4%	1,362	6%	10,742	8%	756	89%	10,473	84%	28,825	73%	133,354	61%
		24-29	1	0%	33	0%	188	1%	4,107	3%	62	8%	1,057	9%	4,737	14%	33,754	18%
		30-39	0	0%	6	0%	78	0%	4,175	3%	18	2%	385	3%	2,143	7%	19,899	11%
		40-55	0	0%	3	0%	57	0%	4,046	3%	10	1%	193	2%	1,371	4%	17,419	9%
		Over 55	0	0%	1	0%	7	0%	487	0%	2	0%	20	0%	200	1%	2,092	1%
		Total	772	100%	9,734	100%	28,037	100%	160,152	100%	850	100%	12,231	100%	37,511	100%	207,248	100%
16. Your sex:	SEX	Male	365	56%	3,921	51%	10,771	49%	56,175	45%	437	57%	5,191	51%	15,477	49%	76,194	44%
		Female	406	44%	5,802	49%	17,248	51%	103,866	55%	414	43%	7,047	49%	22,008	51%	131,092	56%
		Total	771	100%	9,723	100%	28,019	100%	160,041	100%	851	100%	12,238	100%	37,485	100%	207,286	100%
17. Are you an international student or foreign national?	INTERNAT	No	740	97%	8,942	92%	25,907	93%	150,060	94%	828	97%	11,607	95%	35,481	95%	196,356	95%
		Yes	24	3%	758	8%	2,009	7%	9,324	6%	21	3%	588	5%	1,893	5%	10,368	5%
		Total	764	100%	9,700	100%	27,916	100%	159,384	100%	849	100%	12,195	100%	37,374	100%	206,724	100%
18. What is your racial or ethnic identification? (Select only one.)	RACE05	American Indian or other Native American	4	0%	52	1%	175	1%	1,227	1%	0	0%	46	0%	227	1%	1,487	1%
		Asian, Asian American, or Pacific Islander	52	7%	1,391	15%	3,651	13%	12,384	8%	59	7%	1,292	11%	3,621	10%	13,807	7%
		Black or African American	32	4%	303	3%	1,462	6%	13,989	11%	24	3%	331	3%	2,060	6%	15,907	8%
		White (non-Hispanic)	589	77%	6,705	68%	18,557	65%	104,963	62%	689	81%	8,905	72%	25,598	67%	138,901	65%
		Mexican or Mexican American	7	1%	237	3%	591	2%	5,770	4%	2	0%	233	2%	596	2%	7,523	4%
		Puerto Rican	4	1%	45	0%	183	1%	1,370	1%	2	0%	59	0%	252	1%	1,441	1%
		Other Hispanic or Latino	17	2%	224	2%	870	4%	4,971	3%	11	1%	221	2%	1,208	4%	6,092	3%
		Multiracial	24	3%	263	3%	888	3%	5,025	3%	20	2%	345	3%	1,179	3%	5,830	3%
		Other	9	1%	104	1%	355	1%	2,391	2%	9	1%	137	1%	510	1%	3,217	2%
		I prefer not to respond	28	4%	389	4%	1,248	5%	7,759	5%	33	4%	654	6%	2,198	6%	13,018	6%
		Total	766	100%	9,713	100%	27,980	100%	159,849	100%	849	100%	12,223	100%	37,449	100%	207,223	100%
19. What is your current classification in college?	CLASS	Freshman/first year	717	93%	8,706	89%	24,863	87%	137,987	84%	0	0%	12	0%	33	0%	278	0%
		Sophomore	51	7%	929	10%	2,841	12%	17,928	13%	4	1%	63	1%	239	1%	1,113	1%
		Junior	1	0%	70	1%	186	1%	1,828	1%	78	9%	910	8%	3,030	9%	13,910	7%
		Senior	0	0%	3	0%	37	0%	514	0%	756	89%	11,079	90%	33,506	88%	186,501	89%
		Unclassified	1	0%	13	0%	54	0%	1,608	1%	13	1%	161	1%	679	2%	5,435	3%
		Total	770	100%	9,721	100%	27,981	100%	159,865	100%	851	100%	12,225	100%	37,487	100%	207,237	100%
20. Did you begin college at your current institution or elsewhere?	ENTER	Started here	758	99%	9,472	97%	26,792	95%	145,477	90%	698	82%	8,986	73%	24,565	62%	117,894	54%
		Started elsewhere	10	1%	243	3%	1,172	5%	14,343	10%	151	18%	3,233	27%	12,909	38%	89,460	46%
		Total	768	100%	9,715	100%	27,964	100%	159,820	100%	849	100%	12,219	100%	37,474	100%	207,354	100%

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NSSE 2011 Background Item Frequency Distributions ^a
Virginia Polytechnic Institute and State University

First-Year Students

Seniors

	Variable	Response Options	Virginia Tech		peer institutions		Carnegie Class		NSSE 2011		Virginia Tech		peer institutions		Carnegie Class		NSSE 2011	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
21. Since graduating from high school, which of the following types of schools have you attended other than the one you are attending now? (Select all that apply.)	VOTECH05	Vocational or technical school	4	1%	52	1%	310	1%	6,561	5%	16	2%	361	3%	1,620	5%	15,835	8%
	COMCOL05	Community or junior college	29	4%	591	7%	1,589	6%	12,969	9%	193	23%	3,233	28%	11,646	34%	76,879	40%
	FOUR05	4-year college other than this one	29	4%	366	4%	1,353	5%	11,553	8%	117	14%	2,097	18%	7,899	22%	51,349	26%
	NONE05	None	683	91%	8,455	88%	24,073	86%	127,363	78%	548	66%	7,106	58%	19,503	50%	91,161	42%
	OCOL1_05	Other	12	2%	163	2%	552	2%	5,248	4%	15	2%	375	3%	1,231	4%	8,721	4%
– Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard? (Item appeared only in the online instrument.)	VETERAN	No	758	99%	9,631	99%	27,630	99%	153,849	97%	816	96%	11,910	97%	36,251	96%	194,434	94%
		Yes	9	1%	74	1%	271	1%	4,668	3%	29	4%	290	3%	1,168	4%	10,626	6%
	Total	767	100%	9,705	100%	27,901	100%	158,517	100%	845	100%	12,200	100%	37,419	100%	205,060	100%	
– If yes: As part of your military experience, did you receive combat pay, hostile fire pay, or imminent danger pay? (Item appeared only in the online instrument.)	VETPAY	No	9	100%	55	77%	194	69%	3,377	62%	22	75%	173	58%	665	55%	5,757	52%
		Yes	0	0%	19	23%	77	31%	1,264	38%	7	25%	115	42%	498	45%	4,800	48%
	Total	9	100%	74	100%	271	100%	4,641	100%	29	100%	288	100%	1,163	100%	10,557	100%	
22. Thinking about this current academic term...How would you characterize your enrollment?	ENRLMENT	Less than full-time	9	1%	104	1%	472	2%	6,844	6%	53	6%	1,035	9%	4,171	13%	29,314	16%
		Full-time	759	99%	9,609	99%	27,500	98%	152,982	94%	795	94%	11,182	91%	33,299	87%	177,966	84%
	Total	768	100%	9,713	100%	27,972	100%	159,826	100%	848	100%	12,217	100%	37,470	100%	207,280	100%	
– Thinking about this current academic term...Are you taking all courses entirely online? (Item appeared only in the online instrument.)	DISTED	No	757	98%	9,643	99%	27,683	99%	152,978	96%	831	98%	12,063	99%	36,479	97%	193,245	94%
		Yes	12	2%	58	1%	231	1%	5,583	4%	14	2%	139	1%	935	3%	11,850	6%
	Total	769	100%	9,701	100%	27,914	100%	158,561	100%	845	100%	12,202	100%	37,414	100%	205,095	100%	

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	Variable	Response Options	Virginia Tech		peer institutions		Carnegie Class		NSSE 2011		Virginia Tech		peer institutions		Carnegie Class		NSSE 2011	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
– Do you have any disabilities or impairments? (Select all that apply.) <i>(Item appeared only in the online instrument and was preceded by the statement "Your institution will not receive your identified response to the following question. Only an overall summary of responses will be provided." Accordingly, this item does not appear in the NSSE data file or codebook.)</i>	DISNONE	No, I do not have any disabilities or impairments	661	88%	8,560	89%	24,244	88%	133,291	85%	741	88%	10,577	87%	32,073	86%	172,548	85%
	DISSENSE	Yes, I have a sensory impairment (vision or hearing)	27	4%	215	2%	694	3%	4,427	3%	26	3%	235	2%	784	2%	4,607	2%
	DISMOBIL	Yes, I have a mobility impairment	3	0%	27	0%	79	0%	834	1%	1	0%	57	0%	226	1%	1,737	1%
	DISLEARN	Yes, I have a learning disability	6	1%	84	1%	308	1%	3,423	2%	14	2%	180	2%	615	2%	4,562	2%
	DISDEVL	Yes, I have a developmental disorder (ADHD, Autism spectrum disorder, etc.)	26	4%	193	2%	595	2%	4,190	3%	36	4%	341	3%	1,061	3%	5,509	3%
	DISMENT	Yes, I have a mental health disorder	13	2%	159	2%	487	2%	3,079	2%	13	1%	333	3%	932	2%	5,121	2%
	DISMED	Yes, I have a medical disability not listed above	5	1%	87	1%	262	1%	2,127	1%	8	1%	129	1%	429	1%	3,067	2%
	DISOTHER	Yes, I have another disability	68	9%	640	7%	1,995	8%	13,997	9%	71	8%	960	8%	3,075	8%	18,320	9%
	DISREFUS	I choose not to answer	25	3%	313	3%	1,065	4%	7,691	5%	24	3%	407	4%	1,482	4%	9,675	5%
23. Are you member of a social fraternity or sorority?	FRATSORO	No	630	83%	8,741	90%	24,458	88%	146,275	92%	721	85%	10,986	90%	32,724	88%	185,914	90%
		Yes	136	17%	953	10%	3,459	12%	13,234	8%	127	15%	1,211	10%	4,708	12%	21,084	10%
	Total	766	100%	9,694	100%	27,917	100%	159,509	100%	848	100%	12,197	100%	37,432	100%	206,998	100%	
24. Are you a student-athlete on a team sponsored by your institution's athletics department?	ATHLETE	No	726	95%	9,365	97%	26,865	96%	143,578	92%	820	97%	11,958	98%	36,632	98%	195,456	96%
		Yes	39	5%	320	3%	1,010	4%	15,678	8%	27	3%	228	2%	751	2%	11,235	4%
	Total	765	100%	9,685	100%	27,875	100%	159,256	100%	847	100%	12,186	100%	37,383	100%	206,691	100%	

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	Variable	Response Options	Virginia Tech		peer institutions		Carnegie Class		NSSE 2011		Virginia Tech		peer institutions		Carnegie Class		NSSE 2011	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
25. What have most of your grades been up to now at this institution?	GRADES04	C- or lower	12	2%	122	1%	397	1%	2,978	2%	5	1%	29	0%	100	0%	553	0%
		C	32	4%	264	3%	733	3%	5,112	4%	28	3%	229	2%	709	2%	3,388	2%
		C+	34	4%	411	4%	1,130	4%	7,914	5%	35	4%	436	4%	1,339	4%	7,684	4%
		B-	72	9%	668	7%	1,850	7%	11,064	7%	79	10%	770	7%	2,414	7%	13,022	7%
		B	171	23%	1,862	19%	5,353	19%	30,852	20%	178	21%	2,216	18%	7,145	19%	38,354	19%
		B+	166	22%	1,921	19%	5,406	19%	31,093	19%	187	22%	2,609	21%	7,887	21%	42,743	21%
		A-	151	19%	2,134	22%	6,073	21%	31,883	19%	155	18%	3,102	25%	8,408	22%	44,694	21%
		A	128	17%	2,310	24%	6,978	25%	38,486	24%	180	21%	2,809	23%	9,429	25%	56,396	27%
	Total	766	100%	9,692	100%	27,920	100%	159,382	100%	847	100%	12,200	100%	37,431	100%	206,834	100%	
26. Which of the following best describes where you are living now while attending college?	LIVENOW	Dormitory or other campus housing	721	95%	7,712	79%	21,512	73%	104,385	60%	92	11%	1,346	12%	4,113	11%	30,263	12%
		Residence, walking distance	23	3%	779	9%	2,074	8%	11,117	8%	356	42%	5,390	43%	13,565	32%	50,957	23%
		Residence, driving distance	15	2%	867	10%	3,616	16%	35,419	27%	373	44%	4,942	41%	17,680	52%	108,307	56%
		Fraternity or sorority house	1	0%	213	2%	314	1%	750	0%	15	2%	257	2%	840	2%	2,492	1%
		None of the above	2	0%	88	1%	301	1%	7,104	5%	11	1%	239	2%	1,133	3%	14,188	7%
		Total	762	100%	9,659	100%	27,817	100%	158,775	100%	847	100%	12,174	100%	37,331	100%	206,207	100%
27a. What is the highest level of education that your father completed?	FATHREDU	Did not finish HS	19	2%	399	4%	1,300	5%	13,668	10%	23	3%	539	5%	2,190	6%	20,707	11%
		Graduated from HS	105	14%	1,424	14%	4,676	17%	38,325	25%	107	13%	1,994	16%	6,777	19%	48,782	24%
		Attended, no degree	61	8%	970	10%	3,235	12%	20,692	13%	72	8%	1,321	11%	4,511	12%	27,626	14%
		Completed Associate's	55	7%	712	7%	2,064	7%	13,306	8%	49	6%	991	8%	2,872	8%	17,465	8%
		Completed Bachelor's	266	35%	3,412	35%	8,990	32%	40,361	25%	291	35%	3,974	33%	11,115	30%	50,458	25%
		Completed Master's	190	25%	1,761	18%	4,940	17%	21,518	13%	219	26%	2,045	17%	6,068	16%	26,506	13%
		Completed Doctorate	68	9%	942	10%	2,474	9%	9,635	6%	78	9%	1,258	11%	3,630	9%	13,450	6%
		Total	764	100%	9,620	100%	27,679	100%	157,505	100%	839	100%	12,122	100%	37,163	100%	204,994	100%
27b. What is the highest level of education that your mother completed?	MOTHREDU	Did not finish HS	13	2%	376	4%	1,045	4%	10,782	8%	18	2%	470	4%	1,811	5%	16,782	9%
		Graduated from HS	85	11%	1,269	13%	4,115	15%	32,272	21%	102	12%	2,073	17%	6,745	19%	47,920	24%
		Attended, no degree	76	9%	1,055	11%	3,493	13%	23,524	15%	86	10%	1,393	11%	4,909	13%	30,745	15%
		Completed Associate's	71	9%	1,131	11%	3,222	12%	20,173	13%	91	11%	1,482	12%	4,586	12%	26,398	13%
		Completed Bachelor's	329	44%	3,791	39%	10,232	36%	45,836	28%	348	42%	4,263	35%	11,972	31%	53,160	25%
		Completed Master's	164	21%	1,617	17%	4,599	16%	21,542	13%	159	19%	1,999	17%	5,944	15%	25,881	12%
		Completed Doctorate	26	3%	402	4%	1,052	4%	4,102	2%	37	4%	462	4%	1,310	3%	4,883	2%
		Total	764	100%	9,641	100%	27,758	100%	158,231	100%	841	100%	12,142	100%	37,277	100%	205,769	100%

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			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
28. Primary major or expected primary major, in NSSE's collapsed eight major field categories. This does not reflect any customization made for the Major Field Report.	MAJRPCOL	Arts and Humanities	41	5%	811	8%	2,935	10%	20,820	12%	64	7%	1,351	11%	5,051	13%	30,687	14%
		Biological Science	84	11%	1,261	13%	3,446	12%	15,094	9%	82	9%	1,464	12%	3,752	10%	15,400	7%
		Business	112	15%	1,175	12%	3,902	15%	21,304	15%	143	17%	1,461	12%	5,558	16%	37,603	19%
		Education	8	1%	430	4%	1,201	4%	12,633	8%	5	1%	446	3%	1,791	5%	17,857	8%
		Engineering	210	31%	1,857	22%	3,926	16%	11,551	9%	220	28%	2,186	20%	4,822	14%	13,550	8%
		Physical Science	26	3%	501	6%	1,183	5%	6,055	4%	29	3%	666	6%	1,596	5%	7,309	4%
		Professional	32	4%	688	6%	2,713	9%	19,895	13%	36	4%	906	7%	3,069	8%	20,967	10%
		Social Science	80	10%	1,046	11%	3,339	12%	19,138	12%	88	10%	1,718	14%	6,068	16%	30,820	15%
		Other	138	17%	1,339	14%	3,561	13%	21,703	15%	166	19%	1,881	15%	5,316	14%	29,644	15%
		Undecided	20	3%	345	3%	1,107	4%	6,399	4%	0	0%	1	0%	13	0%	106	0%
	Total		751	100%	9,453	100%	27,313	100%	154,592	100%	833	100%	12,080	100%	37,036	100%	203,943	100%
29. Second major or expected second major (not minor, concentration, etc.) if applicable, in NSSE's collapsed eight major field categories.	MAJRSCOL	Arts and Humanities	31	16%	570	21%	1,732	21%	9,498	22%	41	21%	720	26%	2,114	23%	10,008	22%
		Biological Science	11	6%	217	8%	490	6%	2,090	5%	15	8%	213	7%	498	6%	1,862	4%
		Business	43	24%	382	14%	1,222	17%	5,675	16%	32	18%	370	14%	1,496	18%	7,880	20%
		Education	1	0%	66	2%	231	3%	2,635	6%	0	0%	56	2%	267	3%	3,352	7%
		Engineering	16	10%	213	8%	371	5%	1,296	4%	13	8%	111	4%	245	3%	824	2%
		Physical Science	13	7%	232	9%	556	8%	2,603	7%	18	10%	278	12%	703	9%	2,641	7%
		Professional	2	1%	157	5%	586	7%	3,241	9%	3	2%	106	4%	393	5%	2,372	6%
		Social Science	35	20%	501	18%	1,498	18%	6,768	16%	42	23%	620	22%	2,186	24%	8,324	19%
		Other	22	11%	319	12%	810	11%	4,428	12%	20	10%	241	9%	793	9%	4,422	11%
		Undecided	5	3%	48	2%	171	2%	1,262	4%	2	1%	23	1%	104	1%	928	2%
	Total		179	100%	2,705	100%	7,667	100%	39,496	100%	186	100%	2,738	100%	8,799	100%	42,613	100%
- Institution reported: Gender	GENDER	Male	502	58%	4,544	51%	12,453	49%	65,558	45%	545	59%	5,927	52%	17,421	50%	85,312	45%
		Female	515	42%	6,611	49%	19,795	51%	119,930	55%	486	41%	7,879	48%	24,474	50%	144,079	55%
		Total	1,017	100%	11,155	100%	32,248	100%	185,488	100%	1,031	100%	13,806	100%	41,895	100%	229,391	100%
- Institution reported: Race or ethnicity	ETHNICIT	African American/Black	34	3%	334	3%	1,790	7%	16,584	12%	20	2%	319	3%	2,495	7%	18,033	9%
		Am. Ind./Alaska Native	0	0%	37	0%	102	0%	963	1%	0	0%	40	0%	163	0%	1,357	1%
		Asian/Pacific Islander	0	0%	942	11%	3,238	12%	10,265	6%	0	0%	1,032	10%	4,187	12%	13,123	7%
		Caucasian/White	574	57%	6,522	68%	19,345	64%	105,219	60%	807	78%	8,052	73%	25,305	66%	136,050	64%
		Hispanic	0	0%	698	8%	1,933	7%	14,297	10%	0	0%	632	6%	2,206	7%	17,158	9%
		Other	0	0%	0	0%	16	0%	770	0%	0	0%	0	0%	6	0%	1,000	1%
		Foreign	0	0%	583	6%	1,595	5%	5,305	3%	0	0%	315	3%	958	2%	4,787	2%
		Multi-racial	0	0%	163	2%	678	2%	3,548	2%	0	0%	112	1%	517	1%	2,325	1%
		Unknown	409	40%	138	2%	716	2%	9,428	5%	204	20%	427	4%	1,306	4%	11,263	5%
			Total		1,017	100%	9,417	100%	29,413	100%	166,379	100%	1,031	100%	10,929	100%	37,143	100%
- Institution reported: Enrollment status	ENROLLMT	Part-time	0	0%	291	3%	902	4%	10,148	8%	53	4%	973	8%	4,611	14%	36,023	19%
		Full-time	1,017	100%	10,864	97%	31,346	96%	175,340	92%	978	96%	12,833	92%	37,284	86%	193,368	81%
		Total	1,017	100%	11,155	100%	32,248	100%	185,488	100%	1,031	100%	13,806	100%	41,895	100%	229,391	100%

^a Column percentages are weighted by gender and enrollment status (and size for comparisons). Counts are not weighted so one cannot calculate column percentages from counts.

Survey Administration Process

In February 2011, all first-year and senior baccalaureate degree-seeking students at Virginia Tech were emailed an invitation to complete the National Survey of Student Engagement (NSSE). After the initial contact and four reminders, the final response rate was 18.4%.

Survey Information

The National Survey of Student Engagement (NSSE) is designed to collect information about first-year and senior-level student participation in programs and activities that institutions provide for learning and personal development. The results provide an estimate of how undergraduates spend their time and what they believe they gain from attending college. Survey items represent empirically confirmed “good practices” in undergraduate education. That is, they reflect behaviors by students and institutions that are associated with desired outcomes of college. The NSSE does not assess student learning directly, but survey results point to areas where colleges and universities are performing well and aspects of the undergraduate experience that could be improved. For more information: <http://nsse.iub.edu/html/vsacp.cfm>